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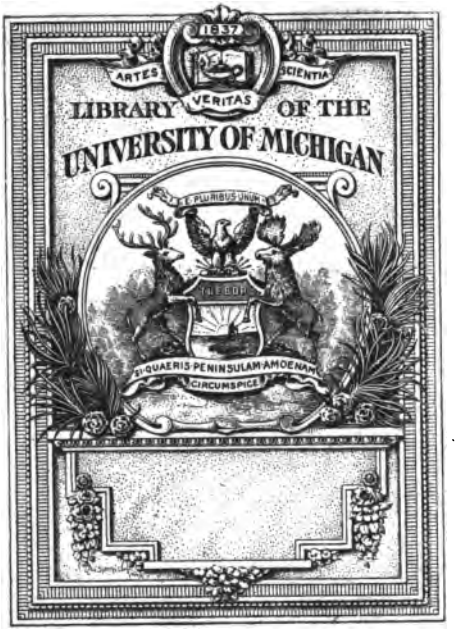
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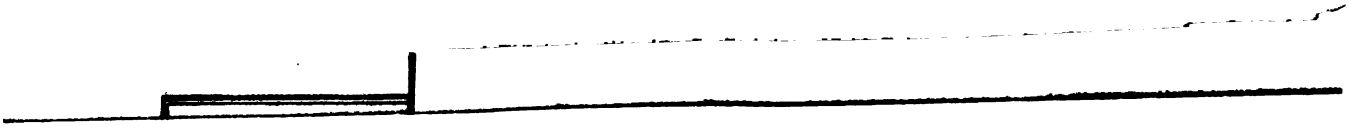

CATALOGUE

OF

DARTMOUTH COLLEGE

TOGETHER WITH THE

AMOS TUCK SCHOOL OF ADMINISTRATION
AND FINANCE

THE THAYER SCHOOL OF CIVIL ENGINEERING

AND

THE MEDICAL SCHOOL

FOR THE YEAR

1901-1902

HANOVER, N. H.
PRINTED FOR THE COLLEGE
1901

University Press:
John Wilson and Son, Cambridge, U.S.A.

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COLLEGE CALENDAR

DARTMOUTH COLLEGE

1901

September 9, 10, 11. Examinations for Admission — Monday to Wednesday.
September 12 . . . Academic year began — Thursday morning.
October 15 . . . . Athletic Field-day; a holiday.
November 28 . . . Thanksgiving Day; a holiday.

Recess from December 20, 10 A.M., *to January* 6, *inclusive.*

1902

January 20–29 . . . First Semester Examinations.
February 22 . . . Washington's Birthday; a holiday.
March 12 . . . . The Smith and "Class of 1866" Prize Speaking — 8 P.M.

Recess from April 9, 10 A.M., *to April* 23, *inclusive.*

June 11 to June 21 . Second Semester Examinations.
June 18, 19, 20, 21 . Examinations for Admission.
June 21 . . . . . The Rollins Prize Speaking — Saturday, 8 P.M.
June 22 . . . . . Baccalaureate Discourse — Sunday, 10.30 A.M.
Address before the Y. M. C. A. — Sunday, 8 P.M.
June 23 . . . . . Class Day Exercises — Monday, 2.30 P.M.
Promenade Concert in College Yard — 10 P.M.
June 24 . . . . . Annual Meeting of the Phi Beta Kappa Society — Tuesday, 8.30 A.M.
Oration before the Phi Beta Kappa Society — 10.30 A.M.
Annual Meeting of the Alumni Association — 3 P.M.
Greek Letter Society Reunions — 5 P.M.
June 25 . . . . . COMMENCEMENT — Last Wednesday in June.

Summer Vacation of Twelve Weeks.

1902

September 11, 12, 13, 15 Examinations for Admission — Thursday to Monday.
September 16, 17 . . Registration — Tuesday, Wednesday.
September 18 . . . Academic year begins — Thursday morning.
December 19 . . . Christmas recess begins.

AMOS TUCK SCHOOL OF ADMINISTRATION AND FINANCE

1901

September 12 . . . Year began — Thursday morning.
November 28 . . . Thanksgiving Day — a holiday.

Recess from December 20, 10 A.M., *to January* 6, *inclusive.*

1902

January 20–29 . . . Examinations for First Year Course.
April 9–23 . . . . Recess for First Year Course.
May 7 . . . . . Second Year Course ends.
June 6–14 . . . . Examinations for First Year Course.

THAYER SCHOOL OF CIVIL ENGINEERING

1901

July 23 . . . . . First Year Course of thirty-nine weeks began.
September 10 . . . Second Year Course of thirty-three weeks began.
December 21 . . . Recess of ten days begins.

1902

April 15 . . . . . Second Year Course ends.

Summer Vacation for First Year Course begins.

MEDICAL SCHOOL

1901

July 16 . . . . . Third and Fourth Year Courses began — Tuesday.
September 12 . . . First and Second Year Courses began — Thursday morning.

Recess from December 20, 10 A.M., *to January* 6, *inclusive.*

1902

February 22 . . . Third and Fourth Year Courses end.
February 24, 25 . . Examinations by Delegates.
February 25 . . . Graduating Exercises.
April 9 . . . . . Second Year Course ends.
June 21 . . . . . First Year Course ends.
July 15 . . . . . Third and Fourth Year Courses begin — Tuesday.
September 18 . . . First and Second Year Courses begin — Thursday morning.

CHARTER

THE

CHARTER OF DARTMOUTH COLLEGE

GEORGE THE THIRD by the grace of GOD of Great Britain France and Ireland KING Defender of the Faith, and so forth. —

To all to whom these Presents shall come.

GREETING.

WHEREAS it hath been represented to our Trusty and well beloved JOHN WENTWORTH Esquire Governor and Commander in Chief in and over our Province of NEW HAMPSHIRE in New England in AMERICA, that the Reverend ELEAZER WHEELOCK of Lebanon in the Colony of Connecticut in New England aforesaid, now Doctor in Divinity, did on or about the year of our Lord one thousand seven hundred and Fifty four, at his own expence, on his own Estate and Plantation set on foot an INDIAN Charity School and for several years through the assistance of well-disposed Persons in America, cloathed, maintained and educated a number of the Children of the Indian Natives, with a view to their carrying the Gospel in their own Language and spreading the knowledge of the great Redeemer among their Savage Tribes, and hath actually employ'd a number of them as Missionaries and Schoolmasters in the Wilderness for that purpose: and by the blessing of GOD upon the endeavours of said Wheelock the design became reputable amoung the Indians insomuch that a larger number desired the Education of their Children in said School; and were also disposed to receive Missionaries and Schoolmasters in the Wilderness more than could be supported by the charitable Contributions in these American Colonies. — WHEREUPON the said Eleazer Wheelock thought it expedient that endeavours should be used to raise Contributions from well disposed Persons in England for the carrying on and extending said undertaking, And for that purpose said Eleazer Wheelock requested the Reverend Nathaniel

Whitaker now Doctor in Divinity to go over to England for that purpose, and sent over with him the Reverend Samson Occom an Indian Minister who had been educated by the said Wheelock, And to enable the said Whitaker to the more successful performance of said Work on which he was sent, said Wheelock gave him a full Power of Attorney by which said Whitaker solicited those worthy & generous Contributors to the Charity VIZ^{t}. The Right Honorable WILLIAM Earl of DARTMOUTH, The Honorable Sir SIDNEY STAFFORD SMYTHE Knight, one of the Barons of his Majesty's Court of Exchequer, JOHN THORNTON of Clapham in the County of Surrey Esquire, SAMUEL ROFFEY of Lincoln's Inn fields in the County of Middlesex Esquire, CHARLES HARDY of the parish of Saint Mary-le-bonne in said County Esquire, DANIEL WEST of Christ's church Spitalfields in the County aforesaid Esquire, SAMUEL SAVAGE of the same place Gentleman, JOSIAH ROBERTS of the parish of Saint Edmund the King Lombard Street, London Gentleman, and ROBERT KEEN of the parish of Saint Botolph Aldgate London, Gentleman, to receive the several Sums of Money which should be contributed, and to be Trustees for the Contributors to such Charity, which they chearfully agreed to. Whereupon the said Whitaker did by virtue of said Power of Attorney constitute and appoint the said Earl of Dartmouth Sir Sydney Stafford Smythe, John Thornton, Samuel Roffey, Charles Hardy & Daniel West Esquires, and Samuel Savage Josiah Roberts and Robert Keen Gentlemen to be Trustees of the Money which had then been contributed, and which should by his means be contributed for said Purpose; which Trust they have accepted as by their engrossed Declaration of the same under their Hands and Seals well executed fully appears, and the same has also been ratified by a deed of Trust well executed by the said Wheelock; — And the said Wheelock further represents that he has by power of Attorney for many weighty reasons, given full Power to the said Trustees to fix upon and determine the place for said School most subservient to the great end in view, and to enable them understandingly to give the preference, the said Wheelock has laid before the said Trustees the several Offers which have been generously made in the several Governments in America to encourage and invite the settlement of said School among them for their own private emolument, and the increase of Learning in their respective places as well as for the furtherance of the general design in view. And whereas a large number of the Proprietors of Lands in the western part of this our Province of New Hampshire,

animated & excited thereto by the generous example of his Excellency their Governor, and by the liberal Contributions of many Noblemen and Gentlemen in England; and especially by the consideration that such a situation would be as convenient as any for carrying on the great design among the Indians; and also considering that without the least impediment to the said design the same School may be enlarged & improved to promote Learning among the English, & be a means to supply a great number of Churches & Congregations which are likely soon to be formed in that new Country with a learned & orthodox ministry; they the said Proprietors have promised large Tracts of Land for the uses aforesaid, provided the School shall be settled in the western part of our said Province. And they the said Right Honorable, Honorable and worthy Trustees before mentioned having maturely consider'd the reasons & arguments in favour of the several Places proposed, have given the preference to the western part of our said Province lying on Connecticut River, as a situation most convenient for said School; And the said Wheelock has further represented a necessity of a legal Incorporation in order to the safety and well being of said Seminary, and its being capable of the tenure & disposal of Lands & bequests for the use of the same. And the said Wheelock has also represented that for many weighty reasons it will be expedient at least in the infancy of said Institution or 'till it can be accommodated in that new Country and he & his Friends be able to remove and settle by and round about it, that the Gentlemen whom he has already nominated in his last Will (which he has transmitted to the aforesaid Gentlemen of the Trust in England) to be Trustees in America should be of the Corporation now proposed & also as there are already large Collections for said School in the hands of the aforesaid Gentlemen of the Trust in England and all reason to believe from their singular wisdom, piety and zeal to promote the Redeemers cause (which has already procured for them the utmost confidence of the Kingdom) we may expect they will appoint Successors in time to come who will be men of the same Spirit whereby great good may & will accrue many ways to the institution & much be done by their example and influence to encourage and facilitate the whole design in view; for which reason said Wheelock desires that the Trustees aforesaid may be vested with all that power therein which can consist with their distance from the same KNOW YE THEREFORE, that We considering the Premises and being willing to encourage the laudable & charitable design of spreading Christian

Knowledge among the Savages of our American Wilderness and also that the best means of Education be established in our Province of New Hampshire for the benefit of said Province, DO of our special grace certain knowledge and mere motion by and with the advice of our Council for said Province by these Presents Will, ordain, grant & constitute that there be a College erected in our said Province of New Hampshire by the name of DARTMOUTH COLLEGE for the education & instruction of Youth of the Indian Tribes in this Land in reading, writing & all parts of Learning which shall appear necessary and expedient for civilizing & christianizing Children of Pagans as well as in all liberal Arts and Sciences; and also of English Youth and any others, and the Trustees of said College may and shall be one body corporate and politick in deed action & name, and shall be called, named & distinguish'd by the Name of the TRUSTEES of DARTMOUTH COLLEGE And further we have willed given granted constituted and ordained and by this our present Charter of our special grace certain knowledge & mere motion with the advice aforesaid DO for us our heirs and successors forever will give grant constitute & ordain that there shall be in the said DARTMOUTH COLLEGE from henceforth and forever a body politick consisting of Trustees of said Dartmouth College And for the more full & perfect erection of said Corporation & body politick consisting of Trustees of Dartmouth College We of our special grace certain knowledge & mere motion DO by these Presents for us our Heirs & Successors make ordain constitute and appoint our trusty and well beloved JOHN WENTWORTH, Esquire Governor of our said Province and the GOVERNOR of our said Province of New Hampshire for the time being and our Trusty and well beloved THEODORE ATKINSON Esquire now President of our Council of our said Province GEORGE JAFFREY & DANIEL PIERCE Esquires both of our said Council and PETER GILMAN Esquire now Speaker of our House of Representatives in said Province & WILLIAM PITKIN, Esquire one of the Assistants of our Colony of Connecticut & our said trusty and well beloved ELEAZER WHEELOCK of Lebanon Doctor in Divinity, BENJAMIN POMROY of Hebron JAMES LOCKWOOD of Weathersfield TIMOTHY PITKIN & JOHN SMALLEY of Farmington & WILLIAM PATTEN of Hartford all of our said Colony of Connecticut Ministers of the Gospel. (the whole number of said Trustees consisting and hereafter forever to consist of TWELVE & no more) to be Trustees of said Dartmouth College in this our Province of New Hampshire And we do further of our special grace certain knowl-

edge and mere motion for us our Heirs and Successors will give grant and appoint that the said Trustees & their Successors shall forever hereafter be in deed act & name, a body corporate & politick & that they the said body corporate & politick shall be known & distinguished in all deeds grants bargains sales writings evidences or otherwise howsoever, & in all Courts forever hereafter plead and be impleaded by the Name of the Trustees of Dartmouth College and that the said Corporation by the name aforesaid shall be able and in law capable for the use of said Dartmouth College to have get acquire purchase receive hold possess and enjoy tenements hereditaments jurisdictions and franchizes for themselves and their Successors in fee simple or otherwise howsoever & to purchase receive or build any House or Houses or any other buildings as they shall think needful & convenient for the use of said Dartmouth College and in such Town in the western part of our said Province of New Hampshire as shall by said Trustees or the major part of them be agreed on their said agreement to be evidenced by an instrument in writing under their hands ascertaining the same And also to receive and dispose of any Lands goods chattels and other things of what nature soever for the use aforesaid And also to have accept and receive any rents profits annuities gifts legacies donations or bequests of any kind whatsoever for the use aforesaid so nevertheless that the yearly value of the Premises do not exceed the Sum of six thousand pounds Sterling[1] and therewith or otherwise to support and pay as the said Trustees or the major part of such of them as are regularly convened for that purpose shall agree the President Tutors and other Officers & Ministers of said Dartmouth College & also to pay all such Missionaries and Schoolmasters as shall be authorized appointed & employed by them for civilizing & christianizing & instructing the Indian Natives of this Land their several allowances & also their respective annual Salaries or allowances & all such necessary & contingent charges as from time to time shall arise & accrue relating to the said Dartmouth College And also to bargain sell let or assign Lands tenements or hereditaments goods, or chattels & all other things whatsoever by the name aforesaid in as full and ample a manner to all intents and purposes as a natural person or other body politick or corporate is able to do by the laws of our realm of Great Britain or of said province of New Hampshire And further of our special grace certain knowledge & mere motion to the intent that our said Corporation & body politick

[1] Subsequently amended so as to remove all limitations.

may answer the end of their erection & Constitution, & may have perpetual succession & continuance forever We do for us our heirs and Successors will give & grant unto the Trustees of Dartmouth College & to their Successors forever that there shall be once a year & every year a meeting of said Trustees held at said Dartmouth College at such time as by said Trustees or the major part of them at any legal meeting of said Trustees shall be agreed on the first meeting to be called by the said Eleazer Wheelock as soon as conveniently may be within one year next after the enrollment of these our Letters Patent at such time & place as he shall judge proper And the said Trustees or the major part of any seven or more of them shall then determine on the time for holding the annual Meeting aforesaid which may be alter'd as they shall hereafter find most convenient And we further order and direct that the said Eleazer Wheelock shall notify the time for holding said first meeting to be called as aforesaid by sending a letter to each of said Trustees & causing an advertizement thereof to be printed in the New Hampshire Gazette & in some publick News Paper printed in the Colony of Connecticut But in case of the Death or incapacity of the said Wheelock then such meeting to be notified in manner aforesaid by the Governor or Commander in Chief of our said Province for the time being And we do also for us our Heirs & successors hereby will give and grant unto the said Trustees of Dartmouth College aforesaid & to their Successors forever that when any seven or more of the said Trustees or their Successors are convened & met together for the service of said Dartmouth College at any time or times such seven or more shall be capable to act as fully & amply to all intents & purposes as if all the Trustees of said College were personally present — & all affairs & actions whatsoever under the care of the said Trustees shall be determined by the majority or greater number of those seven or more Trustees so convened & met together And we do further will ordain & direct that the President Trustees, Professors & Tutors & all such Officers as shall be appointed for the publick instruction & government of said College shall before they undertake the execution of their Offices or Trusts or within one year after take the Oaths & subscribe the declaration provided by an act of Parliament made in the first year of King George the first entitled "An act for the further security of his Majesty's Person & government & the succession of the Crown in the heirs of the late princess Sophia being Protestants, & for the extinguishing the hopes of the pretended Prince of Wales & his open & secret Abettors," that is to say the President before the Governor of our

said Province for the time being or by one by him impowered to that service or by the President of our said Council & the Trustees Professors Tutors & other Officers before the President of said College for the time being who is hereby impower'd to administer the same an entry of all which shall be made in the Records of said College And we do for us our heirs & Successors hereby will give & grant full Power & Authority to the President hereafter by us named & to his Successors or in case of his failure to any three or more of the said Trustees to appoint other occasional meetings from time to time of the said seven Trustees or any greater number of them to transact any matter or thing necessary to be done before the next annual meeting and to order notice to the said seven or any greater number of them of the times & places of meeting for the service aforesaid by a letter under his or their hands of the same one month[1] before said meeting Provided always that no standing Rule or order be made or altered for the regulation of said College nor any President or Professor be chosen or displaced nor any other matter or thing transacted or done which shall continue in force after the then next annual meeting of said Trustees as aforesaid And further we do by these Presents for us our Heirs and Successors, create make constitute nominate & appoint our Trusty and well beloved ELEAZER WHEELOCK Doctor in Divinity the FOUNDER of said College to be PRESIDENT of said DARTMOUTH COLLEGE and to have the immediate care of Education & government of such Students as shall be admitted into said DARTMOUTH COLLEGE for instruction & education and do will give & grant to him in said Office full power authority & right to nominate appoint constitute & ordain by his last will such suitable & meet person or Persons as he shall chuse to succeed him in the Presidency of said Dartmouth College & the person so appointed by his last Will to continue in Office vested with all the powers priviledges Jurisdiction & authority of a President of said Dartmouth College that is to say so long and untill such appointment by said last Will shall be disapproved by the Trustees of said Dartmouth College And we do also for us our heirs and Successors will give & grant to the said Trustees of said Dartmouth College & to their Successors forever or any seven or more of them convened as aforesaid that in the case of the ceasing or failure of a President by any means whatsoever that the said Trustees do elect nominate & appoint SUCH qualified person as they or the major part of any seven or more of them convened for that purpose as

[1] Amended so that a legal meeting may be held at such time and upon such notice as may be prescribed by the rules of the Trustees.

above directed shall think fit to be PRESIDENT of said DARTMOUTH COLLEGE and to have the care of the Education & government of the Students as aforesaid & in case of the ceasing of a President as aforesaid the Senior Professor or Tutor being one of the Trustees shall exercise the Office of a President untill the Trustees shall make choice of & appoint a President as aforesaid & such Professor or Tutor or any three or more of the Trustees shall immediately appoint a meeting of the body of the Trustees for the purpose aforesaid AND also we do will give and grant to the said Trustees convened as aforesaid that they elect nominate & appoint so many Tutors and Professors to assist the President in the Education & government of the Students belonging thereto as they the said Trustees shall from time to time & at any time think needful & serviceable to the interests of said Dartmouth College And also that the said Trustees or their Successors or the major part of any seven or more of them convened for that purpose as above directed shall at any time displace & discharge from the service of said Dartmouth College any or all such Officers & elect others in their room & stead as before directed And also that the said Trustees or their successors or the major part of any seven of them which shall convene for that purpose as above directed do from time to time as occasion shall require elect constitute & appoint a TREASURER a CLERK an USHER & a Steward for the said DARTMOUTH COLLEGE & appoint to them & each of them their respective businesses & trusts & displace & discharge from the service of said College such Treasurer Clerk Usher or Steward & to elect others in their room & stead which Officers so elected as before directed We do for us our heirs & successors by these Presents constitute & establish in their respective Offices & do give to each & every of them full power & Authority to exercise the same in said Dartmouth College according to the directions & during the pleasure of the said Trustees as fully & freely as any like Officers in any of our Universities Colleges or Seminaries of learning in our Realm of Great Britain lawfully may or ought to do, & also that the said Trustees & their Successors or the major part of any seven or more of them which shall convene for that purpose as is above directed as often as one or more of said Trustees shall die or by removal or otherwise shall according to their judgement become unfit or incapable to serve the interests of said College do as soon as may be after the Death removal or such unfitness or incapacity of such Trustee or Trustees elect & appoint such Trustee or Trustees as shall supply the place of him or them so dying or becoming incapable to serve the

interests of said College & every Trustee so elected & appointed shall by virtue of these presents & such election & appointment be vested with all the Powers & priviledges which any of the other Trustees of said College are hereby vested with And we do further Will ordain & direct that from & after the expiration of Two years from the enrollment of these Presents such vacancy or vacancies as may or shall happen by death or otherwise in the aforesaid number of Trustees shall be filled up by election as aforesaid so that when such vacancies shall be filled up unto the complete number of TWELVE Trustees Eight[1] of the aforesaid whole number of the body of Trustees shall be resident and respectable Freeholders of our said Province of New Hampshire & seven of said whole number shall be Laymen And we do further of our special grace certain knowledge and mere motion will give and grant unto the said Trustees of Dartmouth College that they and their Successors or the major part of any seven of them which shall convene for that purpose as is above directed may make & they are hereby fully impowered from time to time fully & lawfully to make and establish such Ordinances Orders & Laws as may tend to the good & wholesome government of the said College & all the Students & the several Officers & Ministers thereof & to the publick benefit of the same not repugnant to the Laws & Statutes of our Realm of GREAT BRITAIN or of this our Province of NEW HAMPSHIRE and not excluding any Person of any religious denomination whatsoever from free & equal liberty & advantage of Education or from any of the liberties and privileges or immunities of the said College on account of his or their speculative sentiments in Religion, & of his or their being of a religious profession different from the said Trustees of the said Dartmouth College And such Ordinances orders & Laws which shall as aforesaid be made We do by these presents for us our heirs & Successors ratify allow of, & confirm as good & effectual to oblige & bind all the Students & the several Officers & Ministers of the said College And we do hereby authorize & impower the said Trustees of Dartmouth College & the President Tutors & Professors by them elected & appointed as aforesaid to put such ordinances laws and orders in execution to all proper intents and purposes And we do further of our special grace certain knowledge & mere motion Will give & grant unto the said Trustees of said Dartmouth College for the encouragement of Learning and animating the Students of said College to diligence & industry & a laudable progress in Literature that they & their

[1] Subsequently amended so as to read *seven*.

Successors or the major part of any seven or more of them convened for that purpose as above directed do by the President of said College for the time being or any other deputed by them give & grant any such degree or degrees to any of the Students of the said College or any others by them thought worthy thereof as are usually granted in either of the Universities or any other College in our Realm of Great Britain & that they sign & seal Diplomas or certificates of such Graduations to be kept by the Graduates as perpetual memorials & testimonials thereof. AND we do further of our special grace certain knowledge & mere motion for us our heirs & Successors by these Presents give & grant unto the Trustees of said Dartmouth College & to their Successors that they & their Successors shall have a common SEAL under which they may pass all Diplomas or Certificates of degrees & all other affairs & business of & concerning the said College which shall be engraven in such a form and with such an inscription as shall be devised by the said Trustees for the time being or by the major part of any seven or more of them convened for the service of the said College as is above directed And we do further for us our heirs & Successors give and grant unto the said Trustees of the said Dartmouth College & their Successors or to the major part of any seven or more of them convened for the service of the said College full power & Authority from time to time to nominate & appoint all other Officers & Ministers which they shall think convenient & necessary for the service of the said College not herein particularly named or mention'd which Officers & Ministers we do hereby impower to execute their Offices & Trusts as fully & freely as any of the Officers & Ministers in our Universities or Colleges in our REALM of GREAT BRITAIN lawfully may or ought to do. AND further that the generous Contributors to the support of this design of spreading the knowledge of the only true God and Saviour among the American Savages may from time to time be satisfied that their liberalities are faithfully disposed of in the best manner for that purpose & that others may in future time be encouraged in the exercise of the like liberality for promoting the same pious design it shall be the duty of the President of the said Dartmouth College & of his Successors annually or as often as he shall be thereunto desired or required to transmit to the Right honorable, honorable & worthy Gentlemen of the Trust in England before mentioned a faithful account of the improvement & disbursements of the several Sums he shall receive from the Donations & bequests made in England through the hands of said Trustees & also advise them of the general plans

laid and prospects exhibited as well as a faithful account of all remarkable occurrences in order if they shall think expedient that they may be published And this to continue so long as they shall perpetuate their board of Trust & there shall be any of the Indian Natives remaining to be proper Objects of that Charity AND lastly our express Will & pleasure is and we do by these presents for us our heirs and Successors give & grant unto the said Trustees of Dartmouth College & to their Successors forever that these our Letters Patent or the enrollment thereof in the SECRETARY'S Office of our Province of New Hampshire aforesaid shall be good & effectual in the Law to all intents & purposes against us our heirs and Successors without any other License Grant or Confirmation from us our heirs & successors hereafter by the said Trustees to be had & obtained notwithstanding the not writing or misrecital not naming or misnaming the aforesaid Offices Franchises Priviledges Immunities or other the Premises or any of them and notwithstanding a writ of Ad quod Damnum hath not issued forth to enquire of the Premises or any of them before the ensealing hereof any Statute Act Ordinance or Provision or any other matter or thing to the contrary notwithstanding TO HAVE AND TO HOLD ALL & singular the Privileges Advantages Liberties Immunities and all other the Premises herein & hereby granted & given or which are meant mentioned or intended to be herein & hereby given and granted unto them the said TRUSTEES of DARTMOUTH COLLEGE and to their Successors forever. IN TESTIMONY whereof We have caused these our Letters to be made Patent and the publick Seal of our said Province of NEW HAMPSHIRE to be hereunto affixed WITNESS our Trusty and well beloved JOHN WENTWORTH Esquire Governor and Commander in Chief in and over our said Province &c^{a}. this THIRTEENTH day of December in the Tenth year of our Reign and in the year of our Lord one thousand seven hundred and Sixty nine.

By his Excellency's Command
with advice of Council

THEODORE ATKINSON, Sec'y

Province of New Hampshire Decemb^{r} 18th 1769.
Recorded in the book of Charters
Lib: 4° Fol. 22 to 23 both inclusive.

Per

THEODORE ATKINSON, SEC'Y

JOHN WENTWORTH.

HISTORICAL NOTE

DARTMOUTH COLLEGE is the outgrowth of a school which the Reverend Eleazer Wheelock opened in his home at Lebanon, Conn., December 18, 1754, for the Christian education of Indian youth. The school was known as Moor's Indian Charity School, so named from Joshua Moor, who contributed a house and two acres of land.

Funds for the maintenance of the school were received from various sources, — from private individuals, from the General Courts of Massachusetts Bay and of New Hampshire, and from Great Britain, where the enterprise had awakened the deepest interest. From the latter source an endowment was secured, chiefly through the efforts of Samsom Occom, the Indian preacher, one of Dr. Wheelock's students, who was commissioned to make a tour of England and Scotland for this purpose in 1765. The sum of ten thousand pounds was thus raised, and committed to the charge of a board of trustees with the Earl of Dartmouth at its head. As the result of this endowment it was determined by Dr. Wheelock to enlarge the purpose of the school especially to reach "a greater proportion of English youth," and to change its location. Various proposals for a site were made, but after careful investigation the site chosen was the township of Hanover, in the region of Cowas or Coös, in the province of New Hampshire. Apart from the nearness of this site to the Canadian Indians, the determining reason for the choice seems to have been the attractiveness of the location, and the fact that it was the natural center of "more than two hundred towns, chartered, settled, or about to be settled." Removal to the Province of New Hampshire also gave the assurance of a charter, which it had thus far been difficult to obtain.

The draft of the charter prepared by Dr. Wheelock received important modifications from the Governor of the Province, John Wentworth. In particular he rejected the suggestion of a coördinate board of trustees in Great Britain; he gave to the college the name of Lord Dartmouth, its most active patron in Great Britain, although Wheelock had proposed to the Governor to call it by the name of Wentworth; and instead of incorporating it as a "school" or "academy," he

adopted a hint from Wheelock's postscript and made it a "college." The first board of trustees consisted of the Governor with three of his council, the speaker of the New Hampshire House of Representatives, one member of the Connecticut Colonial government, and six Connecticut clergymen selected by Dr. Wheelock.

Dr. Wheelock was elected president of the college, with Mr. Bezaleel Woodward, a graduate of Yale in 1764, as his associate. The first class of four students was graduated in 1771, the Commencement being attended by the Governor of the Province of New Hampshire and a company of gentlemen from Portsmouth, who made their way in part through almost trackless forests.

Two events in the early history of the college materially affected its character and growth. First, the gradual withdrawal of the support of its patrons in Great Britain, whose interest lay chiefly in the education of Indians; second, the lawsuit between the college and the state of New Hampshire for the control of the college, which resulted in a final decision by the Supreme Court of the United States in favor of the Trustees of Dartmouth College. The decision in "The Dartmouth College Case" was rendered in February, 1819. Since the reëstablishment of the college by this decision, its history has followed the general course of educational progress in New England.

Other institutions have from time to time been associated with or incorporated into the college.

Moor's Indian Charity School was made an independent institution when the college was founded. The school was maintained as late as 1849. It still has a legal existence with the title — "The President of Moor's Charity School." The trustees are the same in person with those of the college, though forming a separate corporation.

The Dartmouth Medical School dates from the establishment in 1798 of a professorship of medicine in the college, first filled by Dr. Nathan Smith, who was instrumental in its establishment. The school is under the general control of the Trustees of Dartmouth College, by which body degrees are conferred, but the management of its affairs is committed to the Medical Faculty. Associated with the Medical College is the Mary Hitchcock Hospital (1893), the memorial gift of Hiram Hitchcock, Esq., of Hanover.

The Chandler School of Science and the Arts, established in 1851 by a resolution of the trustees, in acceptance of a sum bequeathed to them in trust by Abiel Chandler, Esq., "for the establishment and support of a permanent department or school of instruction in the col-

lege, in the practical and useful arts of life," was more formally incorporated into the College by the joint action of the Trustees of the College and the Visitors of the Chandler School in 1893, and is now known as the Chandler Scientific Course in the College, leading to the degree of B.S.

The Thayer School of Civil Engineering, established in 1867 by the bequest of General Sylvanus Thayer, Class of 1807, is essentially a graduate school, covering a course of two years, and conferring the degree of Civil Engineer. The funds of the School are in charge of the Trustees of the College; otherwise its affairs are managed by a board of overseers, which is a close corporation.

The Amos Tuck School of Administration and Finance, established in 1900 by Mr. Edward Tuck, Class of 1862, as a memorial to his father, Honorable Amos Tuck, Class of 1835, a Trustee of the College, 1857 to 1866, is also a graduate school covering a course of two years. It is the object of the School to train college graduates who desire to engage in affairs rather than to enter the professions. The School is administered by the Trustees of the College.

The presidency of the college has been held as follows:

Eleazer Wheelock, 1769–1779.
John Wheelock, 1779–1815.
Francis Brown, 1815-1820.
Daniel Dana, 1820–1821.
Bennett Tyler, 1821–1828.
Nathan Lord, 1828–1863.
Asa Dodge Smith, 1863–1877.
Samuel Colcord Bartlett, 1877–1892.
William Jewett Tucker, 1893–.

REGISTER

TRUSTEES OF DARTMOUTH COLLEGE

AND OF MOOR'S CHARITY SCHOOL

WILLIAM JEWETT TUCKER, D.D., LL.D., PRESIDENT.
HIS EXCELLENCY CHESTER BRADLEY JORDAN, LL.D.
(*ex officio*) . . . . . *Lancaster, N. H.*
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TREASURER

CHARLES PARKER CHASE, A.M. . . . . *Hanover, N. H.*

EX OFFICIO TRUSTEES OF THE COLLEGE IN RELATION TO FUNDS GIVEN BY THE STATE OF NEW HAMPSHIRE

COUNCILLORS

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HON. LORING B. BODWELL . . . . . *Manchester*
HON. CHARLES H. HERSEY . . . . . *Keene*
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HON. ROBERT N. CHAMBERLIN . . . . . *Berlin*

THE PRESIDENT OF THE SENATE

HON. BERTRAM ELLIS . . . . . *Keene*

THE SPEAKER OF THE HOUSE OF REPRESENTATIVES

HON. CYRUS H. LITTLE . . . . . *Manchester*

THE CHIEF JUSTICE OF THE SUPREME COURT

HON. ISAAC N. BLODGETT, LL.D. . . . . , *Franklin*

STANDING COMMITTEES OF THE TRUSTEES FOR THE YEAR 1901-1902

COMMITTEE ON FINANCE,
Messrs. J. B. Richardson, Kimball, Mathewson, Chase.

ON INSTRUCTION,
Messrs. C. Richardson, Fairbanks, Chase, Eastman.

ON EQUIPMENT,
Messrs. Fairbanks, Redington, Eastman.

ON BUILDINGS AND IMPROVEMENTS,
Messrs. Streeter, J. B. Richardson, Kimball, Mathewson.

ON DEGREES,
Messrs. Chase, C. Richardson.

ON RELATION OF COLLEGE TO STATE,
Messrs. Kimball, C. Richardson, Streeter.

ON RELATION OF COLLEGE TO ALUMNI,
Messrs. J. B. Richardson, Fairbanks, Redington.

ON LEGAL MATTERS,
Messrs. Chase, J. B. Richardson, Streeter.

The President of the College is a member *ex officio* of the Committee on Finance, on Instruction, on Equipment, on Buildings and Improvements, and on Degrees.

VISITORS ON THE CHANDLER FOUNDATION

JOHN HOPKINS, B.S. . . . . *Millbury, Mass.*
DAVID HERBERT ANDREWS, B.S. *Newton Centre, Mass.*

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GEN. HENRY LARCOM ABBOT, LL.D. . *Cambridge, Mass.*
JONATHAN PARKER SNOW, C.E. . . . . *Boston, Mass.*
PROF. GUSTAV JOSEPH FIEBEGER . . *West Point, N. Y.*

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CHARLES HENRY HITCHCOCK, PH.D., LL.D., *Hall Professor of Geology and Curator of Butterfield Museum.* 15 E. Wheelock St.

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PHINEAS SANBORN CONNER, M.D., LL.D., *Professor Emeritus of Surgery.* 215 W. 9th St., Cincinnati, O.

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PAUL FORTUNATUS MUNDÉ, M.D., LL.D., *Professor Emeritus of Gynecology.* 20 W. 45th St., New York, N. Y.

ROBERT FLETCHER, PH.D., *Professor of Civil Engineering and Director of the Thayer School.* 42 College St.

[1] Arranged, with the exception of the President, according to College Seniority.

CHARLES FRANKLIN EMERSON, A.M., *Dean of the Academic Faculty.* 33 College St.

JOHN KING LORD, PH.D., *Daniel Webster Professor of the Latin Language and Literature.* College St.

DAVID WEBSTER, M.D., *Professor of Ophthalmology.* 327 Madison Ave., New York, N. Y.

WILLIAM HENRY PARISH, M.D., *Professor of Obstetrics.* 1435 Spruce St., Philadelphia, Penn.

CHARLES BEYLARD NANCREDE. M.D., LL.D., *Professor of Surgery.* 720 S. University Ave., Ann Arbor, Mich.

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TILGHMAN MINNOUR BALLIET, A.M., M.D., *Professor of Therapeutics.* 3709 Powelton Ave., Philadelphia, Penn.

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GEORGE DANA LORD, A.M., *Associate Professor of Greek and of Greek Archæology.* 46 College St.

HERBERT DARLING FOSTER, A.M., *Professor of History.* 9 Webster Ave.
(On leave of absence for one year.)

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GILMAN DUBOIS FROST, A.M., M.D., *Professor of Anatomy and Secretary and Treasurer of the Medical Faculty.* 13 E. Wheelock St.

FRANK GARDNER MOORE, PH.D., *Associate Professor of Latin and of Roman Archæology.* 1 Occom Ridge.

WARREN AUSTIN ADAMS, PH.D., *Assistant Professor of German.* 16 Occom Ridge.

FRED PARKER EMERY, A.M., *Willard Professor of Rhetoric and Oratory.* 13 Webster Ave.

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LOUIS HENRY DOW, A.M., *Professor of French.* 2 Occom Ridge.

HARRY EDWIN BURTON, PH.D., *Assistant Professor of Latin.* 5 Occom Ridge.

JOHN HIRAM GEROULD, PH.D., *Instructor in Zoölogy.* 15 Webster Ave.

GEORGE RAY WICKER, PH.D., *Instructor in Economics.* 20 Occom Ridge.

JOHN HARVEY PROCTOR, A.M., *Instructor in Mathematics.* 10 N. Main St.

FRANK HAIGH DIXON, PH.D., *Assistant Professor of Economics and Secretary of the Tuck School.* 24 Occom Ridge.

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GORDON FERRIE HULL, PH. D., *Assistant Professor of Physics.* 4 W. Wheelock St.

CHARLES HENRY RICHARDSON, PH.D., *Instructor in Mineralogy and Geology.* 4 College St.

ERNEST FELIX LANGLEY, A.M., *Instructor in French and Italian.* 30 N. Main St.

ASHLEY KINGSLEY HARDY, PH.D., *Instructor in German.* 35 College St.

JOHN LAROY MANN, C.E., *Assistant Professor of Civil Engineering in the Thayer School.* 4 W. Wheelock St.

JOHN ELIOT ALLEN, A.B., LL.B., *Instructor in Law.* 35 College St.

SHEPHERD IVORY FRANZ, PH.D., *Instructor in Physiology and Medical Physics.* 11 E. Wheelock St.

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PRESCOTT ORDE SKINNER, A.M., *Instructor in French and Spanish.* 4 W. Wheelock St.

CARL LOTUS BECKER, B.L., *Instructor in History.* 10 W. Wheelock St.

HOWARD NELSON KINGSFORD, M.D., *Professor of Pathology and Bacteriology, and Medical Director.* 14 Occom Ridge.

WILLIAM KILBORNE STEWART, A.M., *Instructor in German.* 4 W. Wheelock St.

CHARLES ERNEST BOLSER, PH.D., *Instructor in Chemistry.* 20 N. Main St.

NELSON PIERCE BROWN, A.B., *Instructor in English.* 4 W. Wheelock St.

HOMER EATON KEYES, B.L., *Instructor in English.* 4 W. Wheelock St.

CHARLES MARSHALL UNDERWOOD, JR., A.M., *Instructor in French.* 19 N. Main St.

ETTA MATTOCKS NEWELL, *Assistant Librarian.* 11 E. Wheelock St.

ALEXANDER ANDERSON McKENZIE, B.S., *Superintendent of Buildings.* 4 W. Wheelock St.

JOHN WILLIAM BOWLER, *Instructor in Physical Culture and Director of the Gymnasium.* 27 N. Main St.

GEORGE HILL EVANS, B.L., *Cataloguer in the Library.* 14 Occom Ridge.

FREDERICK WARREN JENKINS, A.B., *Departmental Reference Librarian.* 26 College Hall.

HOWARD MURRAY TIBBETTS, A.B., *Assistant in the Dean's Office.* 4 Wentworth St.

ERNEST MARTIN HOPKINS, A.B., *Secretary to the President.* 4 W. Wheelock St.

HENRY NELSON TEAGUE, A.B., *Secretary of the College Club and Comptroller of the Dining Association.* 9 College Hall.

OFFICE HOURS

THE PRESIDENT — Administration Building — 10 to 12 A.M. daily.

THE TREASURER — Bank Building — 1.30 to 2.30 P.M. daily.

THE DEAN OF THE COLLEGE — Administration Building — 9.30 to 11.30 A.M. daily, and 1.30 to 3.30 P.M., except Wednesdays and Saturdays.

THE SECRETARY OF THE TUCK SCHOOL — Office at Hubbard House — 8.30 to 9 A.M. daily.

THE DIRECTOR OF THE THAYER SCHOOL — Office at Thayer Building — 9 to 10 A.M. daily.

THE DEAN OF THE MEDICAL SCHOOL — Office at 9 School St. — 1.30 to 2.30 P.M. daily.

THE SECRETARY OF THE MEDICAL SCHOOL — Office at 13 E. Wheelock St. — 8 to 8.30 A.M., 1.30 to 2, and 7 to 7.30 P.M., daily.

THE SUPERINTENDENT OF BUILDINGS — Administration Building — 8 to 8.30 A.M., 11.30 to 12, and 5.30 to 6 P.M., daily.

LIBRARY HOURS — 9 A.M. to 12 M. and 1 to 5 P.M.

Reading and Reference Rooms are open from 8 A.M. to 10 P.M., week-days, and Reading Rooms on Sundays from 1.30 to 5.30 P.M.

BOARD OF PREACHERS 1901–1902

THE PRESIDENT OF THE COLLEGE.

FRANCIS BROWN, D.D., *Union Theological Seminary*, *New York, N. Y.*

GEORGE ANGIER GORDON, D.D., *Old South Church*, *Boston, Mass.*

GEORGE HODGES, D.D., *Episcopal Seminary*, *Cambridge, Mass.*

HARRY PINNEO DEWEY, D.D., *Church of the Pilgrims*, *Brooklyn, N. Y.*

LYMAN ABBOTT, D.D. . . . . *New York, N. Y.*

DANIEL MERRIMAN, D.D. . . . . *Cambridge, Mass.*

CHARLES ORRIN DAY, D.D., *Theological Seminary*, *Andover, Mass.*

JOHN WINTHROP PLATNER, A.B., *Theological Seminary*, *Andover, Mass.*

OZORA STEARNS DAVIS, PH.D. . . *Newtonville, Mass.*

GAINS GLENN ATKINS, A.B. . . . . *Burlington, Vt.*

The term of service of each Preacher is from two to four Sundays.

The Preacher of the day is at Bartlett Hall on Sunday afternoon at four-thirty o'clock for personal interviews with the students.

STUDENTS

FELLOW

Proctor, Charles Albert, A.B. 1900 *Chicago, Ill.* 473 E. 61st St.

GRADUATE STUDENTS

Briggs, Herbert Wilfred *New York, N. Y.* 18 Col. H.
A.B. 1901. Economics, Banking.

Hopkins, Ernest Martin *North Uxbridge, Mass.* 4 W. Wheelock St.
A.B. 1901. Economics.

Richardson, Leon Burr *Lebanon, N. H.* 10 W. South St.
B.L. 1900. Chemistry: *Assistant in Laboratory.*

Willard, Harley Richard *Hanover, N. H.* V, Wilder Hall
A.B. 1899. Physics, Mathematics, Chemistry: *Assistant in Laboratory.*

Woodman, Leon Elmer *Claremont, N. H.* W, Wilder Hall
A.B. 1899. Physics, Mathematics. *Assistant in Laboratory.*

Young, Walter Stevens *Londonderry, N. H.* 4 Wentworth St.
B.S. 1901. History: *Assistant.*

GRADUATE DEPARTMENT OF PEDAGOGY

Benezet, Louis Paul *Peoria, Ill.* 24 H. A.
A.B. 1899. Latin.

French, George Franklin *Park Hill, N. H.* K K K House
A.B. 1901. German.

Gentleman, Fred William *Portsmouth, N. H.* 1 T. H.
A.B. 1901. Mathematics.

Hinckley, Albert Lucien *Osterville, Mass.* 25 Lebanon St
A.B. 1901. Mathematics, Physics.

Hyatt, Willard Isaac	*Concord, N. H.*	41 S. Main St.
A.B. 1899. History.		
Mason, Thomas Augustus	*Northfield, Mass.*	24 Col. H.
A.B. 1901. Latin, French.		
Whitcomb, Rubert Henry	*Winchendon, Mass.*	24 Col. H.
A.B. 1901. French, Italian.		

NON-RESIDENT GRADUATE STUDENTS

Foster, Oliver Wallace	*Brooklyn, N. Y.*	15 Brevoort Place
A.B. 1900. Economics, History, Law.		
Goodhue, Everett Walter	*Boston, Mass.*	South End House
A.B. 1900. Sociology.		
Joy, Clarence Lovell	*New Hampton, N. H.*	
A.B. 1899. Sociology.		
Miller, Herbert Adolphus	*Nashville, Tenn.*	Fisk University
A.B. 1899. Philosophy.		
Mitchell, William Hugh	*Gambier, Ohio.*	
A.B. 1898. History, Political Science.		
Proctor, Charles Albert	*Chicago, Ill.*	473 E. 61st St.
A.B. 1900. Physics, Astronomy, Mathematics.		
Rice, William Foster	*Springfield, Mass.*	89 Sherman St.
B.L. 1895. Chemistry.		
Rodgers, Bradley Carleton	*Manchester, Vt.*	
A.B. 1898. History, Political Science.		
Smith, Willis Orange	*Lancaster, N. H.*	
B.L. 1891. Latin.		
White, Carroll Henry	*Barre, Vt.*	
B.S. 1896. Philosophy.		

UNDERGRADUATES

c denotes Classical Course; Degree of A.B.
L denotes Latin-Scientific Course; Degree of B.L.
S denotes Chandler Scientific Course; Degree of B.S.

SENIORS

Name	Course	Residence	Room
Abbott, Guy Hammond	L	*St. Johnsbury, Vt.*	C. G. House
Adams, Herbert Carroll	S	*Haverhill, Mass.*	5 College St.
Adriance, William	C	*Winchester, Mass.*	2 Rn. H.

Name	Course	Residence	Room
Alling, Benjamin Willard	C	*Kensington, Conn.*	3 Rn. H.
Anguera, Herman Keidel Clifford de	S	*Wakefield, Mass.*	1 S. Park St.
Archibald, Kenneth	C	*Brockton, Mass.*	C. G. House
Ballou, Henry Burchard	C	*Bristol, N. H.*	6 W. South St.
Banning, Kendall	C	*Walpole, N. H.*	Φ Δ Θ House
Barnes, Thomas Louis	C	*Waltham, Mass.*	6 Col. H.
Beaudry, George Hobbs	C	*Marlboro, Mass.*	3 C. H.
Bradley, Frederick Oliver	C	*Evanston, Ill.*	4 Rn. H.
Brown, Julius Arthur	C	*New York, N. Y.*	18 Col. H.
Bunker, Frank Parker	C	*South Tamworth, N. H.*	22 Col. H.
Cannell, John Weston	C	*Everett, Mass.*	12 S. Main St.
Carleton, Ralph Howard	C	*Haverhill, Mass.*	2 W. H.
Carley, Neale Severance	C	*Shelburne Falls, Mass.*	9 S. H.
Chivers, Arthur Houston	C	*Amesbury, Mass.*	13 T. H.
Clark, Robert Browning	L	*Belmont, Mass.*	5 Hd. H.
Clark, Robert Cushman	C	*West Brattleboro, Vt.*	11 E. Wheelock St.
Cofran, Frank Eugene	S	*Hanover, N. H.*	27 N. Main St.
Cohen, Arthur Joseph	C	*New York, N. Y.*	16 S. H.
Corse, Elton Lee	C	*Richford, Vt.*	K K K House
Cregg, Edward Francis	L	*Lawrence, Mass.*	25 S. Main St.
Cristy, Austin Phelps, Jr.	C	*Worcester, Mass.*	K K K House
Cushing, Daniel Thomas	C	*Woodstock, Vt.*	1 Rd. H.
Dalrymple, Albert Herman	C	*Concord, N. H.*	1 W. H.
Davis, Carroll Worthen	S	*Post Mills, Vt.*	5 College St.
Dorr, Percy Orrin	C	*Somersworth, N. H.*	17 Col. H.
Dow, George Lincoln	C	*Cambridge, Mass.*	20 S. Main St.
Drake, James Frank	C	*Pittsfield, N. H.*	17 Col. H.
Dudley, Charles Howard	†S	*Littleton, N. H.*	9 W. H.
Duncklee, Maurice Johnson	C	*Hanover, N. H.*	9 College St.
Easson, James	C	*Troy, N. Y.*	Δ Δ Φ House
Eaton, Arthur Leon	C	*Nashua, N. H.*	2 T. H.
Edson, Pearl Paine	C	*Worcester, Mass.*	C. G. House
Elderkin, George Wicker	C	*Chicago, Ill.*	53 F. H.
Elliott, Robert Henry	L	*Lowell, Mass.*	7 H. H.
Estabrook, Robert Francis	C	*Boston, Mass.*	18 Rn. H.
Farr, Leslie Boynton	S	*Hanover, N. H.*	15 E. Wheelock St.
Farwell, Hermon Waldo	C	*Keene, N. H.*	2 W. H.
Field, Arthur Sargent	C	*Chicago, Ill.*	6 A. H.
Fitzgerald, Amos Harold	L	*North Tewksbury, Mass.*	8 W. H.
Fitzpatrick, Louis Johnstone	C	*Portland, Me.*	3 S. H.
Fowler, Clayton Holt	C	*Epsom, N. H.*	11 Rd. H.
Fox, Philip	S	*Manhattan, Kan.*	3 Occom Ridge
French, Frank Payson	S	*West Manchester, N. H.*	9 College St.
Fullington, Christopher Chadwick	L	*Johnson, Vt.*	Φ Δ Θ House

† Special course.

Name	Course	Residence	Room
Furber, Charles Harris	C	*Hanover, N. H.*	8 School St.
Gay, Charles Waterman	S	*Quincy, Ill.*	20 S. Main St.
Gilchrist, Robert Howard	S	*South Hartford, N. Y.*	1 Col. H.
Gilman, John Sanborn	C	*Farmington, N. H.*	Davison Block
Goddard, Charles William	C	*Augusta, Me.*	C. G. House
Graham, George Sellers	L	*Everett, Mass.*	18, 20 T. H.
Griffin, John Francis	L	*So. Hadley Falls, Mass.*	7 Rd. H.
Griffin, Philip Charles	C	*Chicago, Ill.*	23 Col. H.
Griggs, Leland	C	*Hanover, N. H.*	9 Pleasant St.
Hall, Francis Chamberlain	S	*Winchester, Mass.*	K K K House
Hall, William Clark	L	*Manchester, N. H.*	52 F. H.
Harris, Howard Merton	C	*Plaistow, N. H.*	2 W. H.
Harrison, Charles Harvey	C	*West Avon, Conn.*	23 N. Main St.
Hartshorn, John Edward	S	*Washington, D. C.*	8 S. H.
Hatch, Roy Winthrop	C	*Marshfield, Mass.*	18 T. H.
Hayes, Allen Milliken	C	*North Berwick, Me.*	11 T. H.
Hazen, Clarence Milton	C	*Barton, Vt.*	23 N. Main St.
Hill, Harry Cyrus	S	*Concord, N. H.*	19 N. Main St.
Hill, Lawrence Richardson	L	*Concord, N. H.*	21 Rn. H.
Hill, William Carroll	L	*Milford, N. H.*	12 S. H.
Holmes, Joseph Edwin	C	*Arlington, Mass.*	1 S. H.
Hosford, Clarence Kent	S	*North Thetford, Vt.*	35 College St.
Houghton, Arthur Stillman	L	*Worcester, Mass.*	3 Rd. H.
Howard, William, Jr.	L	*Brooklyn, N. Y.*	3 S. H.
Howard, William Hanson, Jr.	C	*Lowell, Mass.*	15 C. H.
Hubbard, George Morrison	S	*New Britain, Conn.*	3 Rn. H.
Hubbard, Thomas Parker	C	*West Boxford, Mass.*	K K K House
Huntington, James Lincoln	C	*Hanover, N. H.*	19 S. Main St.
Irvin, Arba J	L	*Chicago, Ill.*	18 C. H.
Keniston, Davis Baker, Jr.	C	*Plymouth, N. H.*	C. G. House
Kimball, Louis Maurice	C	*North Haverhill, N. H.*	K K K House
Kircher, Charles Arthur, Jr.	L	*Webster, N. Y.*	8 D. H.
Ladd, Carey Prentis	C	*Greenfield, Mass.*	16 T. H.
Lambert, Avery Eldorus	S	*Hanover, N. H.*	35 College St.
Lamprey, David Clinton, Jr.	L	*Manchester, N. H.*	11 Rd. H.
Larned, Richard Montgomery, Jr.	C	*Newtonville, Mass.*	K K K House
Leach, Homer Zenas	C	*Waterville, Vt.*	24 F. H.
Leahy, Maurice Joseph	L	*So. Hadley Falls, Mass.*	19 N. Main St.
Lyons, Dennis Francis	C	*Danvers, Mass.*	5 Col. H.
MacKinnon, Allan Parmalee	L	*Boston, Mass.*	21 Rn. H.
McVicar, Edward Joseph	C	*Auburndale, Mass.*	10 W. South St.
Mahoney, William Henry	L	*Miller's Falls, Mass.*	Davison Block
Merrill, Arthur Hodges	C	*Portland, Me.*	C. G. House
Merrill, Roy Stanley	C	*Shelburne Falls, Mass.*	9 S. H.
Moore, Frank Cochrane	C	*Goffstown, N. H.*	5 Col. H.
Morse, Kenneth Lee	C	*Hanover, N. H.*	25 W. Wheelock St.

Name	Course	Residence	Room
Munroe, James Albert	C	*Jamaica Plain, Mass.*	Σ X Rooms
Murphy, Francis Vincent	C	*Newport, R. I.*	10 W. South St.
Murray, William Henry	C	*South Lancaster, Mass.*	8 D. H.
Newman, George Willard	S	*Keene, N. H.*	19 N. Main St.
Newman, Sewall Edwin	S	*Beverly, Mass.*	19 Col. H.
O'Connor, John Christopher	S	*Bradford, Mass.*	20 Col. H.
Paine, Raymond Elder	L	*Boston, Mass.*	A, S. H.
Parker, Harold Francis	L	*Reading, Mass.*	C. G. House
Parker, Herbert Gooding	C	*Worcester, Mass.*	17 Col. H.
Passage, George Azel	C	*St. Paul, Minn.*	7 Maple St.
Pattee, George Kynett	C	*Bristol, N. H.*	6 W. South St.
Pattrell, Arthur Ellis	S	*Wilder, Vt.*	23 N. Main St.
Peck, Martin William	S	*Montpelier, Vt.*	14 Rn. H.
Peckham, Reuben	L	*Troy, N. Y.*	50 F. H.
Perkins, Moses Bradstreet	C	*Salem, Mass.*	C. G. House
Pillsbury, Henry Church	C	*Lowell, Mass.*	16 C. H.
Plumer, Harold Edward	S	*Dover, N. H.*	21 W. H.
Porter, John Endicott	S	*Danvers, Mass.*	Observatory
Pratt, David Damon	L	*Sharon, Mass.*	10 W. H.
Riley, Francis Bennett	S	*Chicago, Ill.*	20 S. Main St.
Ruggles, Arthur Hiler	C	*Hanover, N. H.*	21 N. Main St.
Ruggles, Arthur Valentine	S	*Clinton, Mass.*	14 Lebanon St.
Sanborn, Harvey Beede	C	*Gonic, N. H.*	10 W. H.
Sanborn, Hugh Montgomery	C	*Henniker, N. H.*	1 S. H.
Sanborn, Henry Nichols	C	*Boston, Mass.*	Φ Δ Θ House
Schilling, Albert Henry	S	*New Britain, Conn.*	19 N. Main St.
Smith, Chesley Hartt	L	*Plymouth, N. H.*	14 School St.
Smith, Robert Holbrook	C	*St. Johnsbury, Vt.*	K K K House
Soper, Ralph Carroll	C	*South Royalton, Vt.*	25 S. H.
Stanton, Fred Caswell	S	*Vineyard Haven, Mass.*	19 N. Main St.
Stevens, Benjamin Scott	C	*North Haven, Conn.*	K K K House
Stone, Howard Perley	C	*Haverhill, Mass.*	2 W. H.
Studwell, Chester Arthur	S	*Port Chester, N. Y.*	Davison Block
Taylor, Ralph Haydn	C	*Haverhill, Mass.*	18 C. H.
Thompson, Philip Pickering	C	*Portland, Me.*	C. G. House
Thompson, William Bisbee	L	*Everett, Mass.*	20 S. Main St.
Tozzer, Arthur Clarence	S	*Lynn, Mass.*	12 S. H.
Tracy, Henry Carroll	C	*Hanover, N. H.*	6 College St.
Varney, Lawrence Delano	S	*Dover, N. H.*	C. G. House
Walker, John	S	*New Britain, Conn.*	9 T. H.
Warner, Arthur Edward	S	*Riverside, R. I.*	22 T. H.
Watson, Ernest Bradlee	C	*Dorchester, Mass.*	C. G. House
Wattie, Charles	C	*Pike Station, N. H.*	2 College St.
Whitcher, Burr Royce	C	*Woodsville, N. H.*	9 College St.
Winslow, Asa Irving	C	*Lakeville, Mass.*	22 Occom Ridge
Wright, Joseph Garfield	C	*Lowell, Mass.*	16 C. H.

JUNIORS

Name	Course	Residence	Room
Abdian, Gregory Nazareth	C	*Hanover, N. H.*	9 H. H.
Avery, Maurice Hussey	C	*Nashua, N. H.*	1 F. H.
Baker, Fred W	C	*Lancaster, N. H.*	29 F. H.
Barrows, Samuel Fay	C	*Lowell, Mass.*	17 S. H.
Batchelder, Nathaniel Hayward	C	*Keene, N. H.*	12 Rn. H.
Bennett, Hamlin Perley	C	*Farmington, N. H.*	19 W. H.
Bergengren, Roy Frederick	L	*Lynn, Mass.*	14 S. H.
Bloch, Morris	C	*Albany, N. Y.*	14 H. H.
Bradley, David Emery, Jr.	L	*Evanston, Ill.*	4 Rn. H.
Brown, Ernest Lee	L	*Lebanon, N. H.*	17 T. H.
Brown, Marcus Richard	L	*Fall River, Mass.*	5 S. H.
Brown, Phillip Lowell	C	*Amesbury, Mass.*	42 F. H.
Bullard, Harold Ariel	L	*Lancaster, N. H.*	40 F. H.
Burbeck, Edward Kimball	C	*Manchester, N. H.*	6 Col. H.
Chapin, William Sanders	C	*Linching, China*	4 B. H.
Chedel, Charles Brigham	C	*Pittsfield, Vt.*	1 T. H.
Cobb, Stanwood	C	*Newton Highlands, Mass.*	2 T. H.
Cole, Fred Amos	S	*Peru, Ill.*	14 Rn. H.
Colton, Chauncey Corey	L	*Danvers, Mass.*	1 F. H.
Comstock, Harold Dearborn	S	*Chelsea, Vt.*	4 B. H.
Cornwell, William Eames	S	*Rome, N. Y.*	27 S. H.
Craig, Willis Parker	L	*Marlow, N. H.*	22 Col. H.
Cresswell, James Baxter	C	*Roxbury, Mass.*	8 Col. H.
Crosse, Franklin	C	*Lewiston, Me.*	20 W. H.
Crowell, John	C	*Cleveland, O.*	2 C. H.
Cushing, Henry Dwight	C	*South Hingham, Mass.*	14 C. H.
Cushman, Robert, Jr.	S	*Hanover, Mass.*	10 S. H.
Cutter, Victor Macomber	L	*Lowell, Mass.*	7 H. H.
Davis, Robert Meacham	C	*Newton, Mass.*	K K K House
Decatur, Arthur Garfield	L	*Rochester, N. H.*	Φ Δ Θ House
Delano, Henry Ward	C	*Marion, Mass.*	2 Rd. H.
Douglass, Douglass Burns	L	*Fort Wayne, Ind.*	8 Rd. H.
Drown, Frank Steel	S	*Boston, Mass.*	14 Rn. H.
Dunn, Morley Knight	C	*South Dartmouth, Mass.*	23 T. H.
Erwin, Clayton Lemuel	C	*Warren, N. H.*	29 S. H.
Farley, Carl Howard	S	*Nashua, N. H.*	17 C. H.
Farmer, Allen Brown	L	*Roxbury, Mass.*	11 Rn. H.
Follett, Herbert Champion	L	*Chicago, Ill.*	10 Rd. H.
French, Morton Bowles	C	*Athol, Mass.*	16 S. H.
Geraghty, James Michael	S	*Holyoke, Mass.*	7 Rd. H.
Goodell, Robert Hosea	C	*So. Framingham, Mass.*	K K K House
Grant, William West, Jr.	C	*Denver, Colo.*	6 C. H.
Groves, Ernest Rutherford	L	*Rochester, N. H.*	5 W. South St.
Hadley, Chester Barton	S	*Arlington Heights, Mass.*	8 Rd. H.

Name	Course	Residence	Room
Hale, Floyd Orlin	L	*Windsor, Vt.*	Bridgman Block
Hall, Charles Taber	C	*Everett, Mass.*	18, 20 T. H.
Hall, Forrest Joslin	C	*Keene, N. H.*	18 W. H.
Haney, Lewis Henry	C	*Normal, Ill.*	8 College St.
Hanlon, Arthur Edward	C	*Danvers, Mass.*	25 S. Main St.
Harley, George Washington	C	*Aurora, Ill.*	8 College St.
Hartshorn, Willard LaMonte	L	*Evanston, Ill.*	6 C. H.
Haugan, Henry Alexander	S	*Chicago, Ill.*	29 Rn. H.
Hausmann, Daniel Andrew	L	*Albany, N. Y.*	19 Col. H.
Hess, Harold Miner	S	*Evanston, Ill.*	10 Rd. H.
Hinckley, Daniel Roy	C	*West Lebanon, N. H.*	45 F. H.
Hoke, George Edward	L	*Herndon, Penn.*	2 Elm St.
Howard, Preston Wilbar	C	*Brockton, Mass.*	Φ Δ Θ House
Howes, Clarence Gray	L	*Reading, Mass.*	9 Rn. H.
Jackson, Andrew	C	*Littleton, N. H.*	18 Rd. H.
Johnson, Charles Edward	L	*North Andover, Mass.*	25 S. Main St.
Kelley, Herbert Lester	L	*Franklin Falls, N. H.*	34 F. H.
Kellner, Harold Edwin	L	*Newark, N. J.*	4 C. H.
Kenerson, Edward Hibbard	C	*Roxbury, Mass.*	25 S. Main St.
Kennedy, John Henry	C	*Holyoke, Mass.*	6 E. H.
Keyes, Ralph Preble	C	*Somerville, Mass.*	19 F. H.
Kidger, Horace	L	*Everett, Mass.*	18 T. H.
Kimball, Leigh Wadsworth	C	*Penn Yan, N. Y.*	43 F. H.
King, Harold Davis	C	*West Farmington, Me.*	15 Rd. H.
Lewers, Ralph Edward	L	*Brooklyn, N. Y.*	Φ Δ Θ House
Libby, Ralph Leonard	S	*Dover, N. H.*	15 Rd. H.
Lovell, Aldis Willard	L	*Alstead, N. H.*	3 Rd. H.
Luce, Charles Lyman	C	*Nashua, N. H.*	20 S. H.
Lyman, Timothy	C	*West Brookfield, Mass.*	K K K House
McClary, Nelson Ford	S	*Malone, N. Y.*	K K K House
McElroy, John Hale	C	*Albany, N. Y.*	3 Col. H.
McGowan, Robert	C	*North Grafton, Mass*	6 E. H.
MacLennan, John William	C	*Roxbury, Mass.*	1 D. H.
McManus, James William	L	*Lawrence, Mass.*	51 F. H.
McVicar, Joseph Ambrose	C	*Auburndale, Mass.*	10 W. South St.
Mahoney, Jeremiah Francis	S	*North Andover, Mass.*	7 W. H.
Matteson, Byron Winfield	L	*New York, N. Y.*	37 F. H.
Mechlin, Oscar Alexander	S	*Washington, D. C.*	Φ Δ Θ House
Morrison, Clarence Edwin	C	*Lawrence, Mass.*	19 Rd. H.
Morrison, Charles Franklin	S	*Lawrence, Mass.*	19 Rd. H.
Morse, Harold Marston	L	*Brooklyn, N. Y.*	12 Rd. H.
Moulton, Frank Arthur	C	*Dorchester, Mass.*	25 S. Main St.
Mudge, Otis Pope	L	*Danvers Centre, Mass.*	21 W. H.
Mullett, George Burnam	C	*North Brookfield, Mass.*	33 F. H.
Murphy, Sherman Arnold	L	*Albany, N. Y.*	10 C. H.
Musgrove, George Egbert	S	*Pittsfield, Mass.*	10 W. South St.

Name	Course	Residence	Room
Neal, Cleland Richardson	C	*Amesbury, Mass.*	11 F. H.
Neal, Ralph Worrick	C	*Salem, Mass.*	1 Rn. H.
Newell, Charles Edward	C	*West Derry, N. H.*	5 W. South St.
Noyes, Arthur Percy	C	*West Canaan, N. H.*	19 T. H.
Palmer, Albert Rollins	C	*Brooklyn, N. Y.*	15 S. H.
Palmer, Harold Viall	S	*Reading, Mass.*	41 F. H.
Parry, Augustus Newell, Jr.	S	*Amesbury. Mass.*	C. G. House
Patch, George William	C	*Shelburne Falls, Mass.*	25 S. Main St.
Paul, Carroll	S	*Washington, D. C.*	Φ Δ Θ House
Perham, Frank Stuart	L	*Hanover, N. H.*	6 W. South St.
Pierpont, Henry Warner	C	*New Haven, Conn.*	36 N. Main St.
Place, Victor Morton	C	*Hanover, N. H.*	K K K House
Porter, Henry George	S	*Bartlett, N. H.*	5 Rd. H.
Pratt, Alton Gerard	C	*North Middleboro, Mass.*	13 S. H.
Reed, George Albert	S	*Barre, Vt.*	10 College St.
Rice, Winfield Lawrence	C	*Boothbay Harbor, Me.*	2 Rd. H.
Ropes, Howard Leon	S	*Methuen, Mass.*	Observatory
Rowe, Otis Arthur	C	*Gilford, N. H.*	25 Lebanon St.
Ruppel, Henry Erich Kasemere	L	*Brooklyn, N. Y.*	28 Rn. H.
Safford, Henry Gates	C	*Quechee, Vt.*	19 Col. H.
Schlatter, Edward Bunker	C	*Brooklyn, N. Y.*	K K K House
Scudder, Harold Hungerford	S	*Washington, D. C.*	Φ Δ Θ House
Skinner, Azro Karl	C	*Keene, N. H.*	2 C. H.
Sleicher, George Ingalls	L	*Albany, N. Y.*	3 Col. H.
Smith, Albert Edward	C	*Albany, N. Y.*	21 Col. H.
Smith, Arthur Kendal	C	*West Boylston, Mass.*	11 D. H.
Smith, Cyril Austin	C	*Middleboro, Mass.*	34 N. Main St.
Smith, Harold Elno	C	*Lebanon, N. H.*	22 S. H.
Smith, James Francis	L	*Wilder, Vt.*	33 F. H.
Smith, Orvil Weaver	C	*Lewiston, Me.*	20 W. H.
Smith, Sherman	S	*Omaha, Neb.*	2 C. H.
Stevens, William Lyman	L	*Concord, N. H.*	29 Rn. H.
Swan, Laurence Clarke	C	*Stoughton, Mass.*	15 Rd. H.
Thomas, Philip Williams	C	*Neath, Penn.*	8 T. H.
Thorpe, Jesse Leroy	C	*Lisbon, N. H.*	17 W. H.
Tobey, Walter Harvey	C	*Guilford, Me.*	4 E. H.
Wadham, John Pray	L	*West Newton, Mass.*	2 Col. H.
Walther, Julius Bernhardt	S	*Woonsocket, R. I.*	20 F. H.
Warner, Southard Parker	C	*Washington, D. C.*	4 C. H.
Watson, William Harry	L	*Danvers, Mass.*	1 D. H.
Wentworth, Franklin Wesley	S	*Chelsea, Mass.*	43 F. H.
Wentworth, John Paul	L	*Sandwich, N. H.*	10 C. H.
Whelden, Perley Eaton	C	*Ludlow, Vt.*	15 S. H.
Whipple, Dana Bryden	C	*Lowell, Mass.*	17 S. H.
Wiley, Mark Bruce	L	*St. Albans, Vt.*	Φ Δ Θ House
Williams, Lester Alonzo	L	*Hampstead, N. H.*	9 S. Park St.

Name	Course	Residence	Room
Wilson, Earle Elwin	C	*Corinth, Vt.*	25 Lebanon St.
Woolverton, William Hand	L	*Washington, D. C.*	7 W. H.
Worthen, Carl Burpee	S	*Melrose, Mass.*	19 F. H.

SOPHOMORES

Aldrich, Oscar James	C	*Grafton, N. H.*	6 W. Wheelock St.
Atwood, Howard Deloz	S	*New Boston, N. H.*	7 a T. H.
Austin, David Sands, 2d	S	*North Berwick, Me.*	9 T. H.
Bartlett, Edwin Rice	C	*Hanover, N. H.*	8 W. Wheelock St.
Batchelder, James Hayward	C	*Keene, N. H.*	12 Rn. H.
Benner, Bancroft	L	*Lowell, Mass.*	6 Rn. H.
Blair, Hugh	C	*Dorchester, Mass.*	13 Rn. H.
Blanchard, Philips Staples	C	*Peacham, Vt.*	14 The Tavern
Bletzer, Robert Arthur	S	*Jamaica Plain, Mass.*	38 F. H.
Bowles, Amasa	S	*Plymouth, N. H.*	3 B. H.
Boyle, Bernard Leo	S	*Manchester, Mass.*	4 Col. H.
Brainerd, Joseph Amasa	C	*Troy, N. Y.*	25 S. Main St.
Brayton, Bascom Backus	S	*Hartford, N. Y.*	West Lebanon Road
Brennon, Elmer Garfield	S	*Lowell, Mass.*	2 B. H.
Brotherhood, James Stewart	S	*Brooklyn, N. Y.*	7 S. H.
Brown, Robert Roswell	L	*Elgin, Ill.*	Bridgman Block
Brown, Raymond Warren	S	*Bradford, Vt.*	29 S. H.
Bullock, Matthew Washington	L	*Everett, Mass.*	23 C. H.
Bunker, Charles Clinton	C	*Mercer, Me.*	7 Maple St.
Burdett, Owen Long	S	*Wakefield, Mass.*	6 College St.
Burnham, Kingsley Allan	S	*Roxbury, Mass.*	10 Rn. H.
Busby, Jared Lester	C	*Warren, Mass.*	28 F. H.
Callmann, Herbert	L	*New York, N. Y.*	27 F. H.
Carr, William Howes	S	*Concord, N. H.*	16 The Tavern
Charron, Arthur Isaac	L	*Leominster, Mass.*	21 S. H.
Chase, Harry Woodbury	L	*Groveland, Mass.*	5 D. H.
Clary, Henry Charles	L	*Hallowell, Me.*	4 E. H.
Cobb, Percival Bartlett	C	*Newton Upper Falls, Mass.*	10 W. South St.
Colesworthy, Daniel Clement	S	*Hyde Park, Mass.*	5 T. H.
Collins, Francis Joseph	S	*Worcester, Mass.*	16 W. H.
Conner, William Hayden	C	*Haverhill, Mass.*	2 Rn. H.
Cronin, John Walter	L	*East Weymouth, Mass.*	14 W. H.
Cummings, Edward John	C	*Littleton, N. H.*	17 W. H.
Dailey, Michael Andrew	L	*North Easton, Mass.*	16 W. H.
Daniels, Edwin Abram	C	*Lyndon, Vt.*	34 N. Main St.
Darrow, Paul Everett	S	*Chicago, Ill.*	20 Rn. H.
Davis, Charles Eleazer	S	*Tilton, N. H.*	13 Rd. H.
Dondero, Charles Anthony	L	*Portsmouth, N. H.*	2 F. H.
Doonan, John Francis	S	*Greenville, N. H.*	23 W. H.
Drew, Hedley Garland	S	*Chicago, Ill.*	44 College St.

Name	Course	Residence	Room
Durgin, Linwood Story	C	*Lewiston, Me.*	24 Rn. H.
Edgerly, Ferdinand Bosher	L	*Manchester, N. H.*	15 Rn. H.
Edwards, Charles Berkeley	C	*Haverhill, Mass.*	1 C. H.
Elderkin, James Dorman	C	*Oak Park, Ill.*	20 C. H.
Falconer, Robert Crawford	C	*Hamilton, O.*	25 F. H.
Fauteaux, Louis Dearborn	C	*Hanover, N. H.*	27 Allen St.
Favor, Paul Gordon	C	*Lowell, Mass.*	2 B. H.
Fellows, John Hibbard	S	*Tilton, N. H.*	13 Rd. H.
Fisher, Stuart Dexter	C	*Woonsocket, R. I.*	Davison Block
Fiske, Robert Chester	L	*Hyde Park, Mass.*	23 S. H.
Fletcher, John Storrs	S	*Chattanooga, Tenn.*	15 T. H.
Ford, David Emerson	L	*East Weymouth, Mass.*	14 W. H.
Ford, George Denham	C	*Brooklyn, N. Y.*	25 S. Main St.
Foster, Amos Parker	C	*Keene, N. H.*	18 W. H.
Frost, Gordon Bennett	C	*Fort Ann, N. Y.*	24 W. H.
Gale, Arthur Pinkham	S	*Jackson, N. H.*	11 C. H.
Gormly, Clarence Wallace	L	*Troy, N. Y.*	Φ Δ Θ House
Gray, William Renssalaer	L	*Aurora, Ill.*	11 S. H.
Griffin, Joseph Edward	C	*Manchester, Mass.*	4 Col. H.
Hall, Henry Monroe	C	*Dover, N. H.*	24 Rn. H.
Ham, Harry Howard	C	*Dorchester, Mass.*	6 S. H.
Hamblen, Clarence Bryant	L	*East Lexington, Mass.*	24 T. H.
Hamblin, Frank Samuel	S	*Somerville, Mass.*	17 C. H.
Hamilton, Harry Levi	C	*Old Town, Me.*	29 H. A.
Hardy, Francis Hathaway	S	*Dover, N. H.*	6 S. H.
Haselwood, Willis Henry	S	*Quincy, Ill.*	42 F. H.
Hastings, Alfred Bryant	C	*Nashua, N. H.*	7 Col. H.
Hatch, Albert Ruyter	L	*Greenland, N. H.*	35 F. H.
Hatch, Jared Platt	C	*Hanover, N. H.*	8 W. South St.
Herman, Earl Leslie	L	*Chicago, Ill.*	Bridgman Block
Hersam, George Alexander	C	*Stoneham, Mass.*	5 D. H.
Hill, Albert Lyon	L	*Derry, N. H.*	22 H. A.
Hills, Gay Elijah	L	*Swanzey, N. H.*	15 F. H.
Hinman, Burritt Havilah	S	*North Stratford, N. H.*	14 C. H.
Hobbs, Don Purcell	C	*West Ossipee, N. H.*	11 C. H.
Holton, Harry Irving	L	*Chicago, Ill.*	19 C. H.
Jackson, Delbert Linscott	S	*Chelsea, Mass.*	23 F. H.
Johnson, Harry	C	*Middlefield, Mass.*	22 C. H.
Jones, Philip Nelson	C	*Haverhill, Mass.*	1 Rn. H.
Kimball, Arthur William	C	*East Fairfield, Me.*	3 E. H.
Kirker, John Henry, Jr.	L	*Albany, N. Y.*	14 H. H.
Kneeland, William Aiken	C	*Roxbury, Mass.*	17 Rd. H.
Ladd, Percy Chandler	C	*Greenfield, Mass.*	16 T. H.
Lampee, Charles Irving	S	*Chelsea, Mass.*	23 F. H.
Laskey, Edward Philip	S	*Dover, N. H.*	7 C. H.
Leveroni, Louis Edward	S	*Keene, N. H.*	10 W. H.

Name	Course	Residence	Room
Lewis, George Alexander	S	*Hingham, Mass.*	15 W. H.
Lockwood, Charles Mowry	S	*Hyde Park, Mass.*	23 S. H.
Logan, Donald Brigham	L	*Worcester, Mass.*	17 Rn. H.
McElwain, Herbert Andrew	S	*Enfield, N. H.*	1 Rd. H.
MacKeen, William Duncan	S	*Peabody, Mass.*	4 W. Wheelock St.
McKennis, Herbert	C	*Albany, N. Y.*	39 F. H.
McKnight, Charles Francis	C	*Hiawatha, Kan.*	15 T. H.
McWilliams, Harry Plattenburg	L	*Chicago, Ill.*	19 C. H.
Maguire, Peter Joseph	S	*South Hadley Falls, Mass.*	24 T. H.
Mahoney, William Henry	L	*Peabody, Mass.*	27 F. H.
Marshall, Robert Eliot	C	*Boston, Mass.*	7 Col. H.
Mathes, Maurice Everett	S	*Dover, N. H.*	7 C. H.
Maynard, Cloyd Tabor	S	*Sandy Hill, N. Y.*	24 W. H.
Maynard, James Tyler, Jr.	S	*Bellows Falls, Vt.*	37 F. H.
Meyers, Jerome	C	*Albany, N. Y.*	6 College St.
Morse, Park Ashley	C	*Plymouth, N. H.*	3 B. H.
Moseley, Robert Brainard	L	*Hyde Park, Mass.*	48 F. H.
Mower, Penfield	C	*Rockford, Ill.*	44 F. H.
Muchemore, Harrie Langdon	S	*Portsmouth, N. H.*	22 S. H.
Newcomb, Richard Bernard	S	*Quincy, Ill.*	26 F. H.
Nichols, Herbert Nathan Thomas	C	*Norwich, Vt.*	16 H. H.
Nolan, John Harrison	C	*Andover, Mass.*	19 N. Main St.
Norton, Daniel Capron	S	*New Britain, Conn.*	Davison Block
Nutt, Harry Garfield	S	*Worcester, Mass.*	22 Rn. H.
O'Keefe, Arthur Thomas	C	*Portsmouth, N. H.*	41 S. Main St.
Orcutt, Leslie Warren	C	*Winthrop, Mass.*	13 W. H.
Parker, Murray Nelson	L	*Littleton, N. H.*	9 Rd. H.
Pelkey, William Charles	L	*Concord, N. H.*	A Δ Φ House
Perham, Fred William	C	*Athol Centre, Mass.*	19 N. Main St.
Perry, Louis Irving	L	*North Billerica, Mass.*	8 C. H.
Phelps, Olney Draper	C	*Warren, Mass.*	9 College St.
Pierce, Henry Kingsbury	L	*Oak Park, Ill.*	Φ Δ Θ House
Pillsbury, Ralph William	S	*Boscawen, N. H.*	32 N. Main St.
Poor. Fred Rollo	S	*Belfast, Me.*	26 F. H.
Ripley, John Barrett	L	*Troy, N. H.*	48 F. H.
Robinson, Edward Kilburn	S	*Roxbury, Mass.*	25 S. Main St.
Roby, Harrison George	L	*Whitewater, Wis.*	20 Occom Ridge
Rock, Mathew, Jr.	S	*New York, N. Y.*	19 Rn. H.
Rolfe, Hayward Percival	C	*Newtonville, Mass.*	12 C. H.
Rollins, Dillwyn Sidney	S	*Newburyport, Mass.*	15 C. H.
Root, Frederick James	† S	*Chicago, Ill.*	20 C. H.
Root, Raymond Richmond	S	*Georgetown, Mass.*	8 C. H.
Russell, Walter Hall	L	*Plymouth, N. H.*	A Δ Φ House
Saben, William Morton	L	*Whitinsville, Mass.*	A Δ Φ House
Safford, Henry Barnard	C	*Barton Landing, Vt.*	8 W. South St.

† Special course.

Name	Course	Residence	Room
Sanborn, Bruce Walter	C	*St. Paul, Minn.*	17 Rn. H.
Sanderson, John Franklin	C	*North Bridgton, Me.*	9 Rd. H.
Sayles, Arthur Earle	L	*Uxbridge, Mass.*	A Δ Φ House
Sayward, Harry Morton	C	*Ipswich, Mass.*	11 Rn. H.
Scales, George Levi	S	*Exeter, N. H.*	9 Rd. H.
Sewall, Arthur Eugene	C	*York Village, Me.*	K K K House
Sexton, Ralph Emerson	C	*Nashua, N. H.*	13 C. H.
Sharpe, Howard Granville	C	*Washington, D. C.*	5 C. H.
Shaw, William Thomas	L	*Middleboro, Mass.*	5 W. South St.
Slayton, William Harvey	L	*Lebanon, N. H.*	17 T. H.
Smith, Roscoe Brinker	C	*Norridgewock, Me.*	5 A. H.
Stone, Fred	L	*Windsor, Vt.*	5 H. H.
Stowell, Franklin Henry	S	*Worcester, Mass.*	26 S. H.
Streeter, Thomas Winthrop	L	*Concord, N. H.*	7 Rn. H.
Sturtevant, Mills Gove	C	*Manchester, N. H.*	15 Rn. H.
Terrien, Albert Bernard	L	*Nashua, N. H.*	Φ Δ Θ House
Torrey, Harry Kimball	S	*Newburyport, Mass.*	6 Rd. H.
Tubbs, Charles Myron	C	*Gardner, Mass.*	25 S. Main St.
Uniac, Thomas Vincent	L	*Randolph, Mass.*	8 Col. H.
Vail, LeRoy Benjamin	S	*Brooklyn, N. Y.*	7 S. H.
Walker, James Christie	L	*Barre, Vt.*	5 College St.
Watson, John Henry, Jr.	C	*Montpelier, Vt.*	12 F. H.
Webster, Leon Winfield	L	*Barre, Vt.*	6 W. Wheelock St.
Weston, Charles Joseph	L	*Windsor, Vt.*	5 H. H.
Whittemore, Wilfred Dolloff	C	*Ashton, R. I.*	12 F. H.
Whittier, John Boland	C	*Portland, Me.*	22 W. H.
Willard, Ira Orlando	C	*Hanover, N. H.*	34 N. Main St.
Williamson, Chester Hollis	S	*Norwood, Mass.*	46 F. H.
Willis, Edward Simmons	S	*Warner, N. H.*	7 F. H.
Wiswall, Thomas Augustus	S	*Newton Lower Falls, Mass.*	6 College St.
Witham, Myron Ellis	S	*Pigeon Cove, Mass.*	22 C. H.
Withey, Morton Owen	S	*Woonsocket, R. I.*	1 W. H.
Woodbridge, Charles Kingsley	S	*Middleboro, Mass.*	13 S. H.
Woods, Carl Fred	L	*W. Brookfield, Mass.*	21 F. H.
Woodward, Guy Eric	S	*Randolph, Vt.*	17 S. Main St.
Woodward, Henry Elliot	S	*Lexington, Mass.*	36 F. H.
Wylie, Arthur Webber Perry	S	*Chelsea, Mass.*	47 F. H.
Young, George Henry	C	*Alton, N. H.*	13 W. H.
Young, William Augustus	C	*Exeter, N. H.*	8 C. H.

FRESHMEN

Adams, James Seth	S	*Biddeford, Me.*	8 H. H.
Agry, George Cram	S	*Newton, Mass.*	3 F. H.
Alexander, James Stuart	C	*Newport, N. H.*	28 F. H.
Amey, Edward Everett	L	*Lancaster, N. H.*	23 H. H.

Name	Course	Residence	Room
Archibald, Cecil	L	*Brockton, Mass.*	28 S. H.
Ashley, William H	C	*Fall River, Mass.*	26 Rn. H.
Ashworth, John Edward	C	*Lebanon, N. H.*	6 W. Wheelock St.
Baker, Robert Mills	L	*Worcester, Mass.*	27 Col. H.
Balph, Rowland Pollock	L	*Wilkinsburg, Penn.*	4 Rd. H.
Barney, Winfield Supply	C	*Washington, N. H.*	23 N. Main St.
Barton, Clarence LeRoy	S	*Marlboro, Mass.*	3 C. H.
Bass, Harold Bellamy	S	*Hyde Park, Mass.*	1 E. H.
Batchellor, Stillman	S	*Littleton, N. H.*	10 F. H.
Beckley, Frank Ernest	L	*Barre, Vt.*	10 College St.
Bedell, Irving Washington	S	*Somersworth, N. H.*	12 H. H.
Belknap, John	S	*Andover, Mass.*	48 College St.
Bell, John Howard	C	*West Derry, N. H.*	23 N. Main St.
Bell, John William	L	*Somerville, Mass.*	16 Rn. H.
Besse, Stanley	S	*Newburyport, Mass.*	22 F. H.
Biggs, Vernon Alfred	S	*Chicago, Ill.*	7b T. H.
Billman, Howard Dwight	C	*Keene, N. H.*	15 W. H.
Blatner, William Davis	S	*Albany, N. Y.*	13 T. H.
Borden, Charles Seymour	S	*Chicago, Ill.*	18 S. H.
Bourdon, Oswin Tuttle	S	*Newton, Mass.*	34 F. H.
Boyce, Henry Francis	S	*Danversport, Mass*	12 T. H.
Brintnall, Henry Solva	S	*Chicago, Ill.*	12 The Tavern
Brockway, John	C	*West Hartford, Vt.*	11 H. H.
Brooks, Charles Adams	S	*Claremont, N. H.*	21 T. H.
Brown, Dana Francis	C	*Fall River, Mass.*	5 S. H.
Brown, Frederick Howard	L	*West Boylston, Mass.*	11 D. H.
Brown, Roger Whittemore	S	*Concord, Mass.*	19 S. H.
Burns, Newell Bly	L	*Danvers, Mass.*	16 F. H.
Cahill, Mortimer Llewellyn	S	*Chicago, Ill.*	7b T. H.
Call, Frederick Arthur	S	*Clinton, Mass.*	11 D. H.
Campbell, Carroll Alfred	S	*So. Hadley Falls, Mass.*	19 N. Main St.
Card, Elmer Whittier	C	*Dover, N. H.*	9 E. H.
Chamberlain, Frank Theron	S	*Sandy Creek, N. Y.*	4 School St.
Chamberlain, William Edward	S	*Medford, Mass.*	14 F. H.
Chamberlin, Lafayette Ray	C	*Berlin, N. H.*	9 F. H.
Chase, Frederick	C	*Hanover, N. H.*	38 College St.
Chisholm, Everett Allen	L	*Manchester, N. H.*	8 College St.
Clark, Robert Sidney	† S	*Derry, N. H.*	48 College St.
Clough, William Plummer	S	*New London, N. H.*	10 South St.
Collins, Ralph Waldo	S	*Kingston, N. H.*	2 E. H.
Colson, George Ralph	L	*North Billerica, Mass.*	23 N. Main St.
Conley, Walter Abbott	S	*Portland, Me.*	48 College St.
Cook, Max Holcomb	S	*Chicago, Ill.*	20 C. H.
Cornish, Solon Washington	C	*Carver, Mass.*	14 W. Wheelock St.
Cunningham, Shirley Beck	C	*Wellesley Hills, Mass.*	4 Rd. H

† Special course.

Name	Course	Residence	Room
Currier, Leo Johnson	C	*Danvers Centre, Mass.*	25 S. Main St.
† Daniels, Fred	† S	*Hanover, N. H.*	23 Allen St.
Day, Edmund Ezra	S	*Worcester, Mass.*	3 D. H.
Dennison, Harry Garfield	L	*Somersworth, N. H.*	10 T. H.
Dillon, Walter Sidney	S	*Fitchburg, Mass.*	8 Rn. H.
Donnelly, James Corcoran	C	*Worcester, Mass.*	48 College St.
Dorothy, Wayland Francis	C	*Enfield, N. H.*	32 N. Main St.
Dunlap, John Hoffman	C	*East Concord, N. H.*	1 W. H.
Dunn, Hubert Randal	S	*Woonsocket. R. I.*	23 T. H.
Eastman, Thomas Frank	S	*Ashland, N. H.*	32 N. Main St.
Edwards, Clark How	C	*Haverhill, Mass.*	1 C. H.
Eichenauer, Charles Frederick	L	*Quincy, Ill.*	4 D. H.
Ela, Arthur John	S	*Lebanon, N. H.*	11 H. H.
Elliott, Herford Naylor	C	*Lowell, Mass.*	24 S. H.
Emery, Walter Palmer	C	*Auburn, N. H.*	5 W. South St.
English, Frank	L	*Wareham, Mass.*	14 W. Wheelock St.
Estes, Charles Edward	L	*Somersworth, N. H.*	15 H. H.
Fall, Gilbert Haven	L	*Somersworth, N. H.*	10 T. H.
Fleming, Harris Willard	C	*Natick, Mass.*	23 Rn. H.
French, Ferdinand	L	*Pittsfield, N. H.*	48 College St.
French, Robert Allan	C	*Nashua, N. H.*	13 C. H.
Frost, Eliot Park	C	*Rutland, Mass.*	28 H. A.
Furfey, John Hugh	C	*Brookline, Mass.*	8 College St.
Gage, Daniel Nathan	S	*Andover, Mass.*	7 Hd. H.
Gates, Don Shepard	C	*Bakersfield, Vt.*	14 T. H.
Gilbert, Edgar	C	*Lawrence, Mass.*	8 T. H.
Gilbert, Oscar Bowen	C	*Woonsocket. R. I.*	20 F. H.
Gilman, John Taylor	S	*Exeter, N. H.*	17, 18 F. H.
Goodrich, Charles Francis	C	*Manchester, N. H.*	8 College St.
Goodwin, Reuben Albert	C	*Westville, Vt.*	Lewiston, Vt.
Graves, Allen Bouthrod	C	*Lynchburg, Va.*	12 Lebanon St.
Greenleaf, William Andrew	S	*Auburn, Me.*	13 F. H.
Gregory, Ernest Trowbridge	C	*Framingham, Mass.*	30 Rn. H.
Grover, Chester Abbott	C	*Nahant, Mass.*	1 B. H.
Grover, Louis Clayton	S	*Dana, Mass.*	23 W. H.
Hale, Fletcher	S	*Dorchester, Mass.*	11 E. H.
Halleck, Harry Gerald	S	*Chicago, Ill.*	12 D. H.
Harding, Robert Hatch	S	*Newcastle, N. H.*	8 F. H.
Harriman, Walter Hartwell	S	*Nashua, N. H.*	7 F. H.
Harwood, Fred Eugene	S	*Athol Centre, Mass.*	10 E. H.
Haskell, Harold Morton	L	*Claremont, N. H.*	19 N. Main St.
Hatch, Fletcher Ames	S	*Hanover, Mass.*	14 Rd. H.
Hatch, Thomas Odiorne	S	*Somersworth, N. H.*	12 H. H.
Hawley, Walter Earl	S	*Norwich, Vt.*	Bridgman Block
Hazen, Edwin Humphrey	C	*Middletown, Conn.*	19 Allen St.

† Special course.

Name	Course	Residence	Room
Hills, Clarence Clare	S	*Columbus, O.*	12 The Tavern
Hobart, Henry Morgan	L	*Brooklyn, N. Y.*	21 T. H.
Hodgman, Charles David	S	*Milford, N. H.*	10 D. H.
Holton, Ray Clifford	L	*Chicago, Ill.*	21 C. H.
Hutchinson, Jonas, Jr.	L	*Chicago, Ill.*	21 C. H.
Jackson, Harry Bingham	C	*Littleton, N. H.*	18 Rd. H.
Jackson, William Clark	C	*Lowell, Mass.*	24 S. H.
Keady, John Thomas	S	*Wakefield, Mass.*	5 College St.
Kelley, Carl Hall	C	*Haverhill, Mass.*	3 T. H.
Kelley, Charles Jenkins	C	*Harwichport, Mass.*	48 College St.
Kingsbury, Joseph Lyman	C	*Clifton Springs, N. Y.*	16 H. H.
Knibbs, John William, Jr.	S	*Worcester, Mass.*	17, 18 F. H.
Knight, Howard Vivian	C	*Dorchester, Mass.*	31 F. H.
Knight, Ralph Frank	S	*Hudson, Mass.*	16 The Tavern
Laing, John Albert	C	*Albany, N. Y.*	7 D. H.
Lambe, Roland	C	*Berwick, Me.*	27 H. A.
Lane, Harold Francis	C	*Chicago, Ill.*	12 E. H.
Lawrence, Chester Myron	S	*Lexington, Mass.*	8 S. H.
Leveroni, Nathaniel	S	*Keene, N. H.*	10 W. H.
Lillard, Walter Huston	S	*Chicago, Ill.*	18 S. H.
Loder, Halsey Beach	L	*Hyde Park, Mass.*	1 E. H.
Luce, Thomas Sunham, Jr.	C	*Nashua, N. H.*	20 S. H.
Luey, William Allen	S	*Athol, Mass.*	10 E. H.
McCabe, Frank Joseph	C	*Randolph, Mass.*	10 W. Wheelock St.
McClary, Arthur Eugene	L	*Malone, N. Y.*	23 Rn. H.
McGrath, Owen Augustine	C	*So. Boston, Mass.*	7 Rd. H.
MacLean, Hugh Whitford	S	*Evanston, Ill.*	44 College St.
MacMillan, Andrew Louis, Jr.	L	*Hanover, Mass.*	14 Rd. H.
Maley, John Henry	L	*Newport, N. H.*	22 T. H.
Manning, Patrick John	C	*Hyde Park, Mass.*	18 W. H.
Marchand, George Morgan	S	*Quincy, Ill.*	4 D. H.
Martin, Paris	L	*Idaho Falls, Id.*	13 E. Wheelock St.
May, Walter Milton	C	*West Concord, Vt.*	6 W. South St.
Maynard, Alexander Rockwood	C	*Nashua, N. H.*	6 D. H.
Melvin, Albert Thomas	L	*Derry, N. H.*	5 W. South St.
Merriam, James Robert	L	*Conneaut, O.*	44 F. H.
Merrill, Joseph Henry	S	*Danvers, Mass.*	6 Rd. H.
Messer, Hope Richard	L	*Claremont, N. H.*	19 N. Main St.
Moore, Chester Newell	S	*Worcester, Mass.*	3 D. H.
Morse, Henry Boit	S	*Newtonville, Mass.*	7 Rn. H.
Moulton, Gilman LaFayette	L	*York Corner, Me.*	35 F. H.
Mulally, James Henry	C	*Danversport, Mass.*	12 T. H.
Mulqueeney, John Paul	S	*Leominster, Mass.*	8 The Tavern
Musgrove, Eugene Richard	S	*Bristol, N. H.*	Bridgman Block
Neely, John Hinsdale	C	*Evanston, Ill.*	35 N. Main St.
Newdick, Edwin Walter	S	*Arlington, Mass.*	19 S. H

Name	Course	Residence	Room
Newick, Ira Aaron	S	*Portsmouth, N. H*	16 Col. H.
Noel, Ephraim Percy	L	*St. Louis, Mo.*	1 C. H.
Norcross, Winfield Irvin	C	*Auburn, Me.*	13 F. H.
Norton, Henry Kittredge	S	*Chicago, Ill.*	8 School St.
Nourse, Walter Lorenzo	L	*Hudson, Mass.*	16 The Tavern
Oakford, Edwin Lines	†S	*Peoria, Ill.*	24 H. A.
Oliver, Karl Herbert	C	*Boston, Mass.*	1 B. H.
Palmer, Waldo Savage	S	*Manchester, N. H.*	8 College St.
Parkinson, Royal	L	*Waltham, Mass.*	30 H. A.
Patteson, Griesser Winston	L	*Cleveland, O.*	22 F. H.
Peirce, Joshua Winslow	L	*Portsmouth, N. H.*	2 Col. H.
Perkins, Wayne Arthur	S	*Newmarket, N. H.*	22 C. H.
Perley, Joseph Bailey	C	*Enfield, N. H.*	4 S. H.
Perry, Henry Chester	C	*Middleboro, Mass.*	30 F. H.
Peyser, Harry Wentworth	L	*Portsmouth, N. H.*	8 F. H.
Pierce, Clifford Wellington	S	*Lexington, Mass.*	7 E. H.
Platt, Theodorus Badger	C	*Poultney, Vt.*	16 Rd. H.
Porter, Carroll Winthrop	S	*Providence, R. I.*	4 S. H.
Post, John Dwight	S	*Torrington, Conn.*	4 T. H.
Post, John Ransom	C	*Conneaut, O.*	17 Rd. H.
Preston, Harry Boynton	C	*Henniker, N. H.*	2 E. H.
Priest, Frederick Franklin	C	*Holyoke, Mass.*	8 E. H.
Proctor, George Newton, Jr.	S	*Fitchburg, Mass.*	32 F. H.
Putnam, George William	C	*Nashua, N. H.*	10 D. H.
Reed, Horatio Munroe	L	*New York, N. Y.*	5 Rn. H.
Reeve, Ralph Walker	C	*Somersworth, N. H.*	8 H. H.
Reid, George Stickle	L	*Newton, Mass.*	8 Rn. H.
Richards, John Eliot	L	*Perley, Minn.*	13 W. Wheelock St.
Richardson, Edward Curtis	C	*Dover, N. H.*	9 E. H.
Rickards, Harry Scotte	L	*Woonsocket, R. I.*	1. W. H.
Ricker, Charles Henry	C	*Kings Bridge, N. Y.*	18 H. H.
Ricker, George Roscoe	L	*Biddeford, Me.*	4 School St.
Rix, John Burton	C	*Utica, N. Y.*	21 F. H.
Rogers, Walter Mulliken	L	*Quincy, N. H.*	3 B. H.
Russell, Verney Warren	S	*Norwich, Vt.*	21 Allen St.
Sampson, Wallace Leonard	L	*Middleboro, Mass.*	5 W. South St.
Sanborn, Curtis Tilton	C	*Byfield, Mass.*	26 H. A.
Sheehan, Dennis Edward	C	*Middleboro, Mass.*	14 W. Wheelock St.
Sibley, Edward Napoleon	C	*Ashburnham, Mass.*	19 N. Main St.
Silha, Emil Albert	S	*Chicago, Ill.*	12 D. H.
Small, Walter Blaisdell	S	*Chelsea, Mass.*	8 W. South St.
Small, Walter Garfield	C	*Whitefield, N. H.*	14 The Tavern
Smith, Allen Copeland	S	*Lexington, Mass.*	7 E. H.
Smith, Chester Philbrook	S	*Norridgewock, Me.*	23 N. Main St.
Smith, Eugene Greeley	C	*Epping, N. H.*	21 S. H.

† Special course.

Name	Course	Residence	Room
Smith, Howard Ernest	S	*Newburyport, Mass.*	18 F. H.
Smith, Harry Thomas	S	*Chicago, Ill.*	30 Rn. H.
Smith, Leon Burdett	L	*West Derry, N. H.*	17½ Lebanon St.
Stevens, Charles Julius	L	*Worcester, Mass.*	25 Rn. H.
Stevens, George Gooding	S	*Worcester, Mass.*	25 Rn. H.
Stevenson, Norman	L	*Roxbury, Mass.*	12 C. H.
Stone, James Hammond	C	*Concord, N. H.*	9 College St.
Studwell, Lester Wellington	C	*Port Chester, N. Y.*	5 Rn. H.
Sweeney, Charles Francis	C	*Fitchburg, Mass.*	8 The Tavern
Sylvester, Charles Bradford	C	*Groveland, Mass.*	7 D. H.
Taplin, Harry Woolson	S	*Montpelier, Vt.*	54 F. H.
Taylor, Rainford Guilford	L	*Middletown, Conn.*	8 School St.
Terrien, George Dominick	L	*Nashua, N. H.*	16 Rd. H.
Tolman, Richard Sears	S	*Newton, Mass.*	9 C. H.
Tuck, John	C	*Biddeford, Me.*	27 Rn. H.
Vaughan, James Albert	S	*Portland, Me.*	16 Col. H.
Vilas, Maynard	S	*New York, N. Y.*	14 F. H.
Wallis, Louis Theodore	L	*Jamaica Plain, Mass.*	31 F. H.
Walsh, Frederick William	C	*Somersworth, N. H.*	15 H. H.
Ward, Harold Edward	S	*Kennebunk, Me.*	32 F. H.
Watson, Harry Lyman	C	*Manchester, N. H.*	8 College St.
Wells, Edward Pomeroy	C	*Quincy, Ill.*	4 F. H.
Weston, Frederick Sampson	L	*Middleboro, Mass.*	5 W. South St.
Wilkins, Samuel Henry, Jr.	C	*Somerville, Mass.*	6 W. South St.
Williams, Lee Andrew	S	*Keene, N. H.*	11 W. H.
Williams, Walter Longworth	C	*Brooklyn, N. Y.*	9 C. H.
Wilmot, Ross Hibbard	L	*Littleton, N. H.*	14 T. H.
Wilton, Richard Clive	C	*East Derry, N. H.*	22 H. A.
Wood, Bourne	L	*Middleboro, Mass.*	30 F. H.
Worthen, Ernest Nelson	L	*Barre, Vt.*	10 College St.

SUMMARY

GRADUATE STUDENTS	23
SENIORS	139
JUNIORS	139
SOPHOMORES	170
FRESHMEN	215
TOTAL	686

DISTRIBUTION BY STATES

MASSACHUSETTS	264	NEW YORK	50
NEW HAMPSHIRE	190	ILLINOIS	49

VERMONT	47	COLORADO	1
MAINE	32	IDAHO	1
CONNECTICUT	11	INDIANA	1
RHODE ISLAND	10	MISSOURI	1
DISTRICT OF COLUMBIA	7	NEBRASKA	1
OHIO	7	NEW JERSEY	1
MINNESOTA	3	VIRGINIA	1
PENNSYLVANIA	3	WISCONSIN	1
KANSAS	2	CHINA	1
TENNESSEE	2		

TUCK SCHOOL STUDENTS

SECOND YEAR

Name	Residence	Room
Briggs, Herbert Wilfred, A.B.	*New York, N. Y.*	18 Col. H.
Eckstorm, Paul Frederick Theodore, B.L.	*Chicago, Ill.*	11 Hd. H.
French, Irving Joseph, B.L.	*Park Hill, N. H.*	25 Col. H.
Higgins, James Francis, B.L.	*Barre, Vt.*	5 Hd. H.
Redman, Arthur Prescott, B.L.	*Lexington, Mass.*	9 Hd. H.
Sibley, Harold Thorndike, A.B.	*Belfast, Me.*	7 Hd. H.
Storrs, Edward Payson, Jr., B.S.	*Hanover, N. H.*	42 S. Main St.
Ward, Richard, Jr., A.B.	*Lancaster, Mass.*	7 Hd. H.

FIRST YEAR

Name	Residence	Room
Adriance, William	*Winchester, Mass.*	2 Rn. H.
Alling, Benjamin Willard	*Kensington, Conn.*	3 Rn. H.
Carleton, Ralph Howard	*Haverhill, Mass.*	2 W. H.
Clark, Robert Cushman	*West Brattleboro, Vt.*	11 E. Wheelock St.
Dalrymple, Albert Herman	*Concord, N. H.*	1 W. H.
Dorr, Percy Orrin	*Somersworth, N. H.*	17 Col. H.
Drake, James Frank	*Pittsfield, N. H.*	17 Col. H.
Easson, James	*Troy, N. Y.*	A Δ Φ House
Edson, Pearl Paine	*Worcester, Mass.*	C. G. House
Fitzgerald, Amos Harold	*North Tewksbury, Mass.*	8 W. H.

Name	Residence	Room
French, Frank Payson	*West Manchester, N. H.*	9 College St.
Harris, Howard Merton	*Plaistow, N. H.*	2 W. H.
Hayes, Allen Milliken	*North Berwick, Me.*	11 T. H.
Hill, Lawrence Richardson	*Concord, N. H.*	21 Rn. H.
Houghton, Arthur Stillman	*Worcester, Mass.*	3 Rd. H.
Paine, Raymond Elder	*Boston, Mass.*	A, S. H.
Pratt, David Damon	*Sharon, Mass.*	10 W.H.
Riley, Francis Bennett	*Chicago, Ill.*	20 S. Main St.

SPECIAL

Clark, Robert Browning	*Belmont, Mass.*	5 Hd. H.

THAYER SCHOOL STUDENTS

SECOND YEAR

Name	Residence	Room
Andrews, John Gilbert, B.S.	*Newton Centre, Mass.*	6 Rn. H.
Chase, Charles Richard, B.S.	*Rochester, N. H.*	25 Lebanon St.
Crowell, John William, B.S.	*Salem, N. H.*	Thayer Building
Cudworth, Frank Ezekiel, B.S.	*Medford, Mass.*	Thayer Building
Derickson, Donald	*Meadville, Penn.*	11 S. H.
Hunter, Edgar Hayes, B.S.	*Medford, Mass.*	4 Wentworth St.
McIntyre, James Bradford, B.S.	*Randolph, Vt.*	50 F. H.
Marsh, Francis Beal, B.S.	*Brooklyn, N. Y.*	5 Rd. H.
Newhall, Frank Warren, B.S.	*Danvers, Mass.*	Thayer Building
Norris, Arthur Henry, B.S.	*Hyde Park, Mass.*	21 Allen St.
Rugg, Warren Fuller, B.S.	*Ware, Mass.*	1 S. Park St.
Stevens, Everett Mellen, B.S.	*Nashua, N. H.*	49 F. H.
True, Albert Lyman, B.S.	*Lancaster, Mass.*	49 F. H.

INTERMEDIATE YEAR

(Students on leave of absence for field and office practice)

Name	Residence
Doane, Royal Belden, B.S.	*Beckley, Conn.*
Draftsman, American Bridge Co., East Berlin, Conn.	
Perkins, Locke McIndoe, B.S.	*Windsor, Vt.*

Name	Residence
Richmond, Harold Samuel, B.C.E.	*Northfield, Vt.*
Draftsman, American Bridge Co., East Berlin, Conn.	
Sampson, George Arthur, B.S.	*Middleboro, Mass.*
Assistant Engineer, Cheney Bros.' Manufactories, So. Manchester, Conn.	

FIRST YEAR

Name	Residence	Room
Adams, Herbert Carroll	*Haverhill, Mass.*	5 College St.
Anguera, Herman Keidel Clifford de	*Wakefield, Mass.*	1 S. Park St.
Davis, Carroll Worthen	*Post Mills, Vt.*	5 College St.
Farr, Leslie Boynton	*Hanover, N. H.*	15 E. Wheelock St.
Fitts, Harry Wilfred	*Manchester, N. H.*	8 School St.
Hair, Arthur Weston	*Worcester, Mass.*	9 College St.
Hill, Harry Cyrus	*Concord, N. H.*	19 N. Main St.
Hosford, Clarence Kent	*North Thetford, Vt.*	35 College St.
Leahy, Maurice Joseph	*So. Hadley Falls, Mass.*	19 N. Main St.
Newman, George Willard	*Keene, N. H.*	19 N. Main St.
Plumer, Harold Edward	*Dover, N. H.*	21 W. H.
Porter, John Endicott	*Danvers, Mass.*	Observatory
Remsen, Thomas Richard, B. S.	*Brooklyn, N. Y.*	35 College St.
Ruggles, Arthur Valentine	*Clinton, Mass.*	14 Lebanon St.
Schilling, Albert Henry	*New Britain, Conn.*	19 N. Main St.
Stanton, Fred Caswell	*Vineyard Haven, Mass.*	19 N. Main St.
Studwell, Chester Arthur	*Port Chester, N. Y.*	Davison Block
Tozzer, Arthur Clarence	*Lynn, Mass.*	12 S. H.
Walker, John	*New Britain, Conn*	9 T. H.

MEDICAL STUDENTS

FOURTH YEAR

Name	Residence	Room
Abbott, Charles Benjamin	*Bradford, N. H.*	4 College St.
Bugbee, Locke Harwood	*North Pomfret, Vt.*	6 S. Main St.
Cowern, Ernest William	*Contoocook, N. H.*	6 S. Main St.
Cullen, James Augustine	*Lonsdale, R. I.*	7 Maple St.
Fitzpatrick, John Joseph	*Newport, R. I.*	14 School St.
Folsom, Charles Albert, A.B.	*West Epping, N. H.*	Medical Building
Hill, Ernest Linwood	*West Townsend, Mass.*	6 S. Main St.
Hopkins, Arthur Warren, A.B.	*Manchester, N. H.*	Hospital

Name	Residence	Room
Lally, Francis Henry	*Worcester, Mass.*	10 Lebanon St.
Leathers, Enoch	*Hanover, N. H.*	41 S. Main St.
Lord, Frederick Pomeroy, A.B.	*Hanover, N. H.*	37 College St.
Newhall, Alden Russell	*Lynn, Mass.*	29 Allen St.
Sanborn, Frederick Rodney, A.B.	*Somersworth, N. H.*	19 Maple St.
Wilder, Ralph Spencer, B.S.	*Winchendon, Mass.*	Medical Building
Yeaton, George William	*Concord, N. H.*	29 Allen St.

THIRD YEAR

Name	Residence	Room
Batchelder, Edward Carpenter, A.B.	*Pittsfield, N. H.*	35 N. Main St.
Butterfield, Clarence Egbert, B.L.	*Perkinsville, Vt.*	5 S. Park St.
Clark, William Edward, B.L.	*Charlestown, N. H.*	Medical Building
Dolloff, Charles Hall, B.L.	*Everett, Mass.*	27 E. Wheelock St.
Downing, Arthur Taylor, A.B.	*Hanover, N. H.*	19 Allen St.
Dutton, Julius Maltby, A.B.	*Hanover, N. H.*	5 S. Park St.
Gates, George Cushman Coleman	*Gardner, Mass.*	10 School St.
Hatch, Royal, A.B.	*North Strafford, Vt.*	9 College St.
Mayes, Matthew Taylor	*Rutland, Vt.*	9 Pleasant St.
Severance, Robert Nathaniel	*Leyden, Mass.*	21 School St.
Stickney, William, B.L.	*Bethel, Vt.*	Medical Building
Wallace, Arthur Lowell, A.B.	*Hanover, N. H.*	23 Allen St.
Warden, John Bachop, B.S.	*Hanover, N. H.*	8 Lebanon St.
Woodman, James Brown, A.B.	*West Lebanon, N. H.*	Medical Building

SECOND YEAR

Name	Residence	Room
Bishop, Eliot, A.B.	*Brooklyn, N. Y.*	12 S. Main St.
Bliss, George Stephen	*Lebanon, N. H.*	Hospital
Caverly, Fred Stickney	*Dover, N. H.*	19 Maple St.
Cobb, Gardner Nathan, A.B	*Strafford, Vt.*	9 College St.
Curtis, Harlan Fuller, B.L.	*Killingworth, Conn.*	2 Maynard St.
Hanson, William Thomas	*Milltown, Me.*	4 Wentworth St.
Hedin, Carl Johan	*Croydon, N. H.*	9 S. Park St.
O'Connell, Andrew Edward	*Worcester, Mass.*	21 School St.
Shanley, John Dawson	*Vernon, Conn.*	3 West St.

FIRST YEAR

Name	Residence	Room
Ballou, Henry Burchard	*Bristol, N. H.*	6 W. South St.
Bowler, John William	*Dorchester, Mass.*	27 N. Main St.

Name	Residence	Room
Bunker, Frank Parker	*So. Tamworth, N. H.*	22 Col. H.
Chace, Daniel Robert	*Orford, N. H.*	32 N. Main St.
Corse, Elton Lee	*Richford, Vt.*	K K K House
Dearborn, Selwyn Kenson, A.B.	*Hanover, N. H.*	6 W. Wheelock St.
Dudley, Charles Howard	*Lancaster, N. H.*	9 W. H.
Egbert, Edward Homer	*Cleveland, O.*	8 Lebanon St.
Fitch, Emery Moore	*Princeton, Me.*	28 S. Main St.
Forsyth, James Perkins	*Philadelphia, Penn.*	4 College St.
Gaskill, Edward Wallace	*St. Johnsbury, Vt.*	6 W. South St.
Graham, George Sellers	*Everett, Mass.*	18 T. H.
Griffin, John Francis	*So. Hadley Falls, Mass.*	7 Rd. H.
Huntington, James Lincoln	*Hanover, N. H.*	19 S. Main St.
Johnson, Walter Alphonso	*East Hampstead, N. H.*	7 S. Park St.
Kimpton, Arthur Ronald	*East Somerville, Mass.*	19 Maple St.
Kircher, Charles Arthur, Jr.	*Webster, N. Y.*	8 D. H.
Leach, Homer Zenas	*Hanover, N. H.*	24 F. H.
Mason, Alton Erastus	*Taunton, Mass.*	4 School St.
Merrill, Ayres Philip	*Pittsfield, Mass.*	Newton Inn
O'Connor, John Christopher	*Bradford, Mass.*	20 Col. H.
Passage, George Azel	*St. Paul, Minn.*	7 Maple St.
Pattrell, Arthur Ellis	*Wilder, Vt.*	23 N. Main St.
Pike, Frederick Albert	*Brookline, Mass.*	4 School St.
Pillsbury, Henry Church	*Lowell, Mass.*	16 C. H.
Potts, Joseph Henry	*No. Billerica, Mass.*	12 Occom Ridge
Pulsifer, Walter Clyde	*Lebanon, N. H.*	9 College St.
Quigley, Frederick James	*Union Hill, N. Y.*	21 School St.
Ruggles, Arthur Hyler	*Hanover, N. H.*	21 N. Main St.
Sanborn, Harvey Beede	*Gonic, N. H.*	10 W. H.
Steeves, Ernest Colpitts	*Hanover, N. H.*	5 S. Park St.
Thompson, William Bisbee	*Everett, Mass.*	20 S. Main St.
Whitcher, Burr Rice	*Woodsville, N. H.*	9 College St.
Whitcomb, Chester Roswell	*West Swanzey, N. H.*	18 W. Wheelock St.

SUMMARY

FOURTH YEAR	15
THIRD YEAR	14
SECOND YEAR	9
FIRST YEAR	34
Total	72

SUMMARY OF STUDENTS

Dartmouth College	686
Tuck School	27
Thayer School	36
Medical School	72
Total (deducting the names inserted twice)	768

DISTRIBUTION BY STATES

Massachusetts	290	Kansas	2
New Hampshire	219	Tennessee	2
Vermont	58	Colorado	1
New York	54	Idaho	1
Illinois	50	Indiana	1
Maine	35	Missouri	1
Connecticut	14	Nebraska	1
Rhode Island	12	New Jersey	1
Ohio	8	Virginia	1
District of Columbia	7	Wisconsin	1
Pennsylvania	5	China	1
Minnesota	3		

ABBREVIATIONS

A. H. . . . . Allen Hall	H. H. . . . Hallgarten Hall
B. H. . . . . Bartlett Hall	Hd. H. . . Hubbard House
C. H. . . . . Crosby House	Rd. H. . . . . Reed Hall
Col. H. . . . College Hall	Rn. H. . . Richardson Hall
D. H. . . . Dartmouth Hall	S. H. . . . Sanborn House
E. H. . . . . Elm House	T. H. . . . . Thornton Hall
F. H. . . Fayerweather Hall	W. H. . . Wentworth Hall
H. A. . . . Hallgarten Annex	

HONORS AND PRIZES

HENRY ELIJAH PARKER FELLOWSHIP

CLASS OF 1900. — Charles Albert Proctor.

RUFUS CHOATE SCHOLARS

SENIORS — Arthur Ela Buck, Eugene Madison Dow, George Franklin French, Walter Hastings Lyon, George Arthur Sampson, Rubert Henry Whitcomb.

JUNIORS — Frederick Oliver Bradley, Hermon Waldo Farwell, Leland Griggs.

SOPHOMORES — Stanwood Cobb, Henry Erich Kasemere Ruppel.

FRESHMEN — Robert Crawford Falconer, John Storrs Fletcher, William Aiken Kneeland, Percy Chandler Ladd.

SPECIAL HONORS

SENIORS

GREEK — Arthur Ela Buck.

LATIN — Arthur Ela Buck.

FRENCH — Rubert Henry Whitcomb.

MATHEMATICS — Eugene Madison Dow, Fred William Gentleman.

ZOÖLOGY — Douglas VanderHoof.

PHILOSOPHY — Eugene Madison Dow.

POLITICAL SCIENCE — Walter Hastings Lyon, Carl Maynard Owen, Stanley Elroy Qua.

HONORS

SENIORS

GREEK — Arthur Ela Buck.

MATHEMATICS — Eugene Madison Dow, Fred William Gentleman.

PHILOSOPHY — Charles Ellsworth Browne, Eugene Madison Dow, Carl Maynard Owen.

HONORABLE MENTION

SENIORS

GERMAN — George Franklin French, Clarence Lewis Phelps.
ECONOMICS — Walter Hastings Lyon.
POLITICAL SCIENCE — Walter Hastings Lyon, Carl Maynard Owen, Stanley Elroy Qua.
PHILOSOPHY — Eugene Madison Dow, Fred William Gentleman.

JUNIORS

PHYSICS — Robert Harold Elliott.

SOPHOMORES

LATIN — Stanwood Cobb.
FRENCH — Mark Bruce Wiley.
GERMAN — Stanwood Cobb, George William Patch.
MATHEMATICS — Harold Dearborn Comstock, Arthur Raymond Holbrook, George Albert Reed.

PRIZES

Grimes — English Composition — Seniors

First Prize — EUGENE FRANCIS CLARK.
Second Prize — JAMES STANFORD CLARK.

Lockwood — English Composition — Juniors

First Prize — GEORGE SELLERS GRAHAM.
Second Prize — LELAND GRIGGS.

Pacific Coast Alumni Association — American Literature — Sophomores

STANWOOD COBB.

Rollins — Oratory — Juniors, Sophomores, and Freshmen

First Prize — ERNEST BRADLEE WATSON (Junior).
Second Prize — GEORGE EDWARD HOKE (Sophomore).
Third Prize — HARRY HOWARD HAM (Freshman).

Smith — Extemporaneous Debate — Seniors

First Prize — ROBERT LEIGHTON SCALES.
Second Prize — FRANK WADE HALLIDAY.

Class of 1866 — Original Orations — Juniors and Sophomores

First Prize — SHERMAN ARNOLD MURPHY (Sophomore).
Second Prize — ERNEST BRADLEE WATSON (Junior).

Class of 1846 — Latin — Juniors

First Prize — CAREY PRENTIS LADD.
Second Prize — FRANK COCHRANE MOORE.

Atherton — Greek — Juniors

First Prize — GEORGE WICKER ELDERKIN.
Second Prize — KENNETH LEE MORSE.

Thayer — Mathematics — Sophomores

First Prize — HAROLD DEARBORN COMSTOCK.
Second Prize — HAROLD MINER HESS, GEORGE ALBERT REED.

Pray — Modern Languages — Seniors

French — RUBERT HENRY WHITCOMB.
German — CLARENCE LEWIS PHELPS.

Grimes — General Improvement — Seniors

CHARLES ELLSWORTH BROWNE.

Spalding — Mechanical Drawing — Juniors, Chandler Scientific Course

First Prize — ARTHUR VALENTINE RUGGLES.
Second Prize — JOHN ENDICOTT PORTER.

DEGREES CONFERRED IN COURSE

BACHELORS OF ARTS

Bishop, Eliot
Briggs, Herbert Wilfred
Browne, Charles Ellsworth
‡Buck, Arthur Ela
Burke, Wilfrid Israel
Butterfield, Claude Albert
Calderwood, Edward Swazey
Cate, Harland Earle
Clark, Eugene Francis
Clark, James Stanford
Cobb, Gardner Nathan
Colby, Joseph Rutherford
Cox, Channing Harris
Cross, Ernest Samuel
Davis, Waldo Trevor
Dearborn, Selwyn Kenson
Denison, Guy Earlscourt
‡Dow, Eugene Madison
Dowd, John Edwin
French, George Franklin
†Gentleman, Fred William
Gilmore, Harry Bassett
Grant, Perley Cummings
Hall, Howard Warren
Halliday, Frank Wade
Hallman, Thomas Hart Benton
Hardy, Lawrence Parker
Hildreth, Charles Lewis
Hill, Frederick Lewis
Hinckley, Albert Lucien
Hopkins, Ernest Martin
Kimball, Charles Warren, Jr.
Kimball, James Howland
Leavens, Robert French
Lowe, Frank William
†Lyon, Walter Hastings
Maguire, Eugene Leo
Marshall, Andrew
Mason, Thomas Augustus
Merrill, Charles Henry
Merrill, Leon Orlando
†Owen, Carl Maynard
Page, Donald Taylor
Phelps, Clarence Lewis
Pingree, George Elmer
Piper, George Irving
†Qua, Stanley Elroy
Raphael, Joseph
Robinson, George Edwin
Rollins, Daniel Ashton
Scales, Robert Leighton
Shanahan, Timothy Joseph
Sibley, Harold Thorndike
Smith, Rolfe Wheelock
†Somes, George Frederick
Taylor, Henry LaForest
Thayer, Royal Bradford
Ward, Richard, Jr.
Warren, Edward Winslow
Washburne, Harry Osbert
Whitcomb, Rubert Henry
Wilson, John Edward

Little, Clarence Belden, '81 McIntyre, Herbert Bruce, '81
Berry, John Edward, '00

† Cum laude. ‡ Summa cum laude.

BACHELORS OF LETTERS

Bond, Bernard Quincy
Boyle, Charles John
Bryant, Clarence Edmund
Burleigh, David Paul
Crone, Louis Leonard
Curtis, Harland Fuller
Dunnington, Herbert Earl
Eckstorm, Paul Fred'k Theodore
French, Irving Joseph
Higgins, James Francis
Hovey, Herbert Washburne
Jones, George Milton
McCarten, James Edward
O'Leary, Laurence James
Prescott, Charles Irville
Redman, Arthur Prescott
Salinger, Leon Alfred
Smith, James Stuart
†VanderHoof, Douglas
Wood, Theodore Newton

BACHELORS OF SCIENCE

Andrews, John Gilbert
Barnard, James Arthur
Brown, Warren Raymond
Chase, Charles Richard
Cheever, William Whittle
Clark, Harry Sylvester
Crowell, John William
Crowell, Mortimer Leggett
Crowell, Warner Rogers
Cudworth, Frank Ezekiel
Doane, Royal Belden
Dunsmoor, Ralph Wales
Gooch, Verson Woodman
Hancock, George Leverett
Haskell, Frederick White
Howe, James Arthur
Hunter, Edgar Hayes
Lane, Adolph Buch
Leach, Eugene William
McIntyre, James Bradford
McMillan, Edward Neil
Marsh, Francis Beal
Newcomb, Rush Frederick
Newhall, Frank Warren
Perkins, Locke McIndoe
Porter, Carleton Adelbert, Jr.
Remsen, Thomas Richard
Rugg, Warren Fuller
Sampson, George Arthur
Stetson, Orlando Samuel, Jr.
Stevens, Everett Mellen
Sykes, Arthur James
True, Albert Lyman
Wainwright, Edward Cowles
Whelan, Charles
Whitaker, Earl Francis
Young, Walter Stevens

Larimer, Chester Howard, '85.

† Cum laude.

CIVIL ENGINEERS (THAYER SCHOOL)

Anderson, John Albert, B.S.
Fowler, Alvah Tennant, B.S.
Holden, Charles Arthur, B.S.
Hoyt, Charles Hamilton, B.S.
Hutchinson, William Loveland, B.S.
Paddock, Clarence Erwin, B.S.
Sargent, Charles, B.S.
Sears, Frank Dana, B.S.
Smith, Samuel Justin, B.S.

Savage, Hiram Newton, '90.

GRADUATES OF THE TUCK SCHOOL

Blair, Walter, A.B.
Edwards, William Benjamin
Foster, Oliver Wallace, A.B.
Teague, Henry Nelson, A.B.

DOCTORS OF MEDICINE

Albright, Clifford Brandt
Bakeman, Frank Albert
Bates, Willard Asa
Bessey, Earl Emerson
Bisbee, Walter Griswold
Black, James Stanislaus
Bryant, John Edmund
Clark, Edward James
Conner, Michael Edward
Coolidge, John Wesley
Decker, Frederick Stanford
Hatch, Laurence Brown
Hills, Charles Everett
Lowd, Harry Mosher
McBride, John
McKenzie, Nicholas Young Bradford
Marshall, Augustus Thompson
Nelson, David
Proctor, John Harvey, A.M.
Scannell, Edward John
Tabor, Edward Orlando, B.S.
Toye, John Ernest
Walker, Charles Sidney
Watson, Maurice, A.B.
White, Herbert Augustus
Whitmore, Albra
Worthen, Eugene Mark

HONORARY DEGREES

(COMMENCEMENT)

MASTERS OF ARTS

Henry McFarland
Warren King Moorehead
William Alden Smith
Benjamin Franklin Stevens

DOCTORS OF DIVINITY

Charles Henry Merrill (1867) Charles Orrin Day (Yale 1872)

DOCTORS OF LAW

John Henry Wright (1873) Charles Daniel Tenney (1878)

(CENTENNIAL OF WEBSTER'S GRADUATION)

MASTERS OF ARTS

Samuel Appleton James Waldron Remick
Frank Dunklee Currier Harry Gene Sargent
Wendell Phillips Stafford

DOCTORS OF LAW

Edgar Aldrich (A.M. 1891) Melville Weston Fuller (Bowd. 1853)
Frank Swett Black (1875) Frank Palmer Goulding (1863)
Francis Brown (1870) Edward Everett Hale (Harv. 1839)
Wm. Eaton Chandler (A.M. 1866) George Frisbie Hoar (Harv. 1846)
James Fairbanks Colby (1872) Chester Bradley Jordan (A.M. 1882)
William Everett (Harv. 1859) Samuel Walker McCall (1874)

(IN ABSENTIA)

James Bryce, (Oxford, Trin. Coll. 1862) John Hay (Brown 1858)
Booker Taliafero Washington (A. M. Harv. 1896)

DARTMOUTH COLLEGE

FACULTY

WILLIAM JEWETT TUCKER, PRESIDENT.

JOHN KING LORD, ACTING PRESIDENT OF THE FACULTY IN ABSENCE OF THE PRESIDENT.

CHARLES FRANKLIN EMERSON, DEAN OF THE FACULTY.

CHARLES HENRY HITCHCOCK, *Hall Professor of Geology and Curator of Butterfield Museum.*

WILLIAM THAYER SMITH (*Professor in Medical School*), *Instructor in Physiology.*

GEORGE PUTNAM HUNTINGTON, *Instructor in Hebrew.*

GABRIEL CAMPBELL, *Stone Professor of Intellectual and Moral Philosophy.*

JOHN KING LORD, *Daniel Webster Professor of Latin.*

FRANK ASBURY SHERMAN, *Professor of Mathematics on the Chandler Foundation.*

CHARLES FRANCIS RICHARDSON, *Winkley Professor of English.*

MARVIN DAVIS BISBEE, *Librarian and Professor of Bibliography.*

THOMAS WILSON DORR WORTHEN, *Cheney Professor of Mathematics.*

EDWIN JULIUS BARTLETT, *New Hampshire Professor of Chemistry.*

JAMES FAIRBANKS COLBY, *Parker Professor of Law and Political Science.*

JOHN VOSE HAZEN, *Woodman Professor of Civil Engineering and Graphics on the Chandler Foundation.*

CHARLES DARWIN ADAMS, *Lawrence Professor of Greek.*

JUSTIN HARVEY SMITH, *Professor of Modern History.*

CHARLES HENRY MORSE, *Musical Director and Instructor in Harmony.*

DAVID COLLIN WELLS, *Professor of Sociology.*

ROBERT LONGLEY TAYLOR, *Assistant Professor of French.*

WILLIAM PATTEN, *Professor of Zoölogy.*

GEORGE DANA LORD, *Associate Professor of Greek and of Greek Archæology.*

HERBERT DARLING FOSTER, *Professor of History.*

EDWIN BRANT FROST, *Instructor in Astronomy.*

GILMAN DuBOIS FROST (*Professor in Medical School*), *Instructor in Human Anatomy.*

FRANK GARDNER MOORE, *Associate Professor of Latin and of Roman Archæology.*

WARREN AUSTIN ADAMS, *Assistant Professor of German.*

FRED PARKER EMERY, *Willard Professor of Rhetoric and Oratory.*

ERNEST FOX NICHOLS, *Appleton Professor of Physics.*

LOUIS HENRY DOW, *Professor of French.*

HARRY EDWIN BURTON, *Assistant Professor of Latin.*

JOHN HIRAM GEROULD, *Instructor in Zoölogy.*

GEORGE RAY WICKER, *Instructor in Economics.*

JOHN HARVEY PROCTOR, *Instructor in Mathematics.*

FRANK HAIGH DIXON, *Assistant Professor of Economics.*

WILBUR CORTEZ ABBOTT, *Assistant Professor of History.*

GORDON FERRIE HULL, *Assistant Professor of Physics.*

CHARLES HENRY RICHARDSON, *Instructor in Mineralogy and Geology.*

ERNEST FELIX LANGLEY, *Instructor in French and Italian.*

ASHLEY KINGSLEY HARDY, *Instructor in German.*

JOHN ELIOT ALLEN, *Instructor in Law.*

GEORGE RICHARD LYMAN, *Instructor in Botany.*

SHEPHERD IVORY FRANZ, *Instructor in Physiology and Medical Physics.*

HERMAN HARRELL HORNE, *Assistant Professor of Philosophy and Pedagogy.*

RICHARD WELLINGTON HUSBAND, *Instructor in Greek.*
CRAVEN LAYCOCK, *Assistant Professor of Oratory.*
PRESCOTT ORDE SKINNER, *Instructor in French and Spanish.*
CARL LOTUS BECKER, *Instructor in History.*
HOWARD NELSON KINGSFORD, *Medical Director.*
WILLIAM KILBORNE STEWART, *Instructor in German.*
CHARLES ERNEST BOLSER, *Instructor in Chemistry.*
NELSON PIERCE BROWN, *Instructor in English.*
HOMER EATON KEYES, *Instructor in English.*
CHARLES MARSHALL UNDERWOOD, JR., *Instructor in French.*

JOHN WILLIAM BOWLER, *Instructor in Physical Culture and Director of the Gymnasium.*
HOWARD MURRAY TIBBETTS, *Assistant in the Dean's Office.*
ERNEST MARTIN HOPKINS, *Secretary to the President.*

STANDING COMMITTEES OF THE FACULTY

1901–1902

ADMINISTRATION — The President, the Acting President, the Dean, Professor Richardson (Senior class-officer), Professor Dow (Junior class-officer), Professor Laycock (Sophomore class-officer), Professor C. D. Adams (Freshman class-officer).

ADMISSION — Professors C. D. Adams (Chairman), Sherman, Abbott, Hull, Messrs. Gerould, Hardy, Keyes, the Dean (*ex-officio*).

INSTRUCTION — Professors Emery (Chairman), Worthen, Moore, Nichols, Horne, Mr. Langley, the Dean (*ex-officio*).

LIBRARY — Professors Wells (Chairman), Moore, Taylor, Dr. Wicker.

ATHLETICS — Professors Burton (Chairman), Abbott, Dr. Bolser.

ORGANIZATIONS OTHER THAN ATHLETIC — Professors G. D. Lord (Chairman), Dixon, Laycock.

COLLEGE HALL — Professors Bartlett (Chairman), Burton, Dixon.

GRADUATE INSTRUCTION — Professors Colby (Chairman), Hitchcock, Campbell, Richardson, Smith.

COURSES OF INSTRUCTION

The College offers three parallel Courses of instruction, each requiring four years of study:

The Classical Course, leading to the degree of B.A.
The Latin-Scientific Course, leading to the degree of B.L.
The Chandler Scientific Course, leading to the degree of B.S.

The studies in each of the three Courses are mainly prescribed throughout Freshman year.

The Classical Course comprises during this period Greek, Latin, Mathematics, either French or German, and English.

The Latin-Scientific Course is the same as the Classical, except that advanced work in French or German is prescribed in place of Greek.

The Chandler Scientific Course substitutes for Greek and Latin additional work in Mathematics, Science, Modern Languages, and Graphics.

After Freshman year the prescribed studies are the same in each of the three Courses, and include History, Physics, Economics, English Literature, Philosophy, and Law.

Elective studies are open to all students of the three Courses alike, and each student may take any elective offered, provided that his previous work has prepared him for its pursuit.

Members of the Chandler Scientific Course may substitute for the elective studies of Senior year, the work of the first year in the Thayer School of Civil Engineering. They may be candidates for the degree of B.S. with their Class, and after a second year of work in the Thayer School they may receive the degree of C.E. The conditions for such an election will be found under the Thayer School of Civil Engineering.

The Amos Tuck School of Administration and Finance is open to members of the Senior Class under the following conditions: — Students of approved ability, of three years undergraduate standing,

who have taken the prescribed work in History, Economics, and Political Science, and one elective in each of the departments of History, of Economics, and of Sociology, together with two years of prescribed and elective work in English Composition and Argumentation, and the elementary courses in two of the three languages — German, French, and Spanish — may elect the first year course in the Tuck School for their work of Senior year, provided their general average standing is not below 75% in the branches required for admission, and not below 75% in more than two of those branches, nor below 60% in any one of them. At the close of the year, they may formally graduate from the College with the Bachelor's degree for which they entered. After a year of graduate study in the Tuck School, they become eligible to the certification of that School.

Students who intend to enter the Medical Department may receive credit for the first year of the medical course by electing such studies as are prescribed for that year, and by registering in the Medical Department at the opening of Senior year. The conditions for such an election will be found under the Medical School.

REQUIREMENTS FOR ADMISSION

All candidates for admission to college must offer satisfactory testimonials of good moral character; and those who have been members of other colleges must present certificates of regular dismission.

Candidates for admission to the Freshman class in the Classical Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I, Mathematics I, Latin, Greek.

Candidates for admission to the Freshman class in the Latin-Scientific Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I *or* II, Mathematics I, Latin, French *or* German, and *one* of the three sciences, Chemistry, Physics, Biology.

Candidates for admission to the Freshman class in the Chandler

Scientific Course must present satisfactory qualifications in the following subjects, according to specifications given under each subject: English, History I *or* II, Mathematics I and II, French *or* German, and *two* of the three sciences, Chemistry, Physics, Biology. In place of Mathematics II, candidates may present two years of a second modern language, or of Latin.

SUBJECTS WITH SPECIFICATIONS

ENGLISH

Two sets of books are prescribed for preparation in English, one for reading, the other for more careful study. No candidate will be accepted in English whose work is notably deficient in point of spelling, punctuation, idiom, or division into paragraphs. The requirement consists of two parts.

I. Reading — A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and be able to answer simple questions on the lives of the authors; he must also show the ability to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number — perhaps ten or fifteen — set before him. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the requirement will be:

In 1902, Shakespeare's The Merchant of Venice; Pope's Iliad, Books i, vi, xxii, and xxiv; The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; Scott's Ivanhoe; Tennyson's The Princess; George Eliot's Silas Marner; Lowell's The Vision of Sir Launfal; Cooper's The Last of the Mohicans.

In 1903, 1904, 1905. — Shakespeare's The Merchant of Venice and Julius Cæsar; The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; George Eliot's Silas Marner; Lowell's The Vision of Sir Launfal.

II. Study and Practice. — This part of the requirement presupposes the thorough study of each of the works named below. The test will be upon subject-matter, form, and structure.

The books set for this part of the requirement will be:

In 1902. — Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

In 1903, 1904, 1905. — Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

HISTORY (including Historical Geography)

Either of the two following groups, each including two fields of historical study: — [But candidates for classical course *must* present I].

I. *Greek and Roman History.* — (*a*) Greek History to the death of Alexander, with due reference to Greek life, literature, and art. (*b*) Roman History to the accession of Commodus, with due reference to literature and government.

II. *English and American History.* — (*a*) English History, with due reference to social and political development. (*b*) American History, with the elements of Civil Government.

For preparation in each of the two historical fields presented (*a*) or (*b*) a course of study equivalent to at least three lessons a week for one year (or five recitations for one year for the two fields together) will be necessary.

The preparation and examination call for: (1) such general knowledge of each field as may be acquired from the study of an accurate text-book of not less than 300 pages, supplemented by suitable parallel

readings amounting to not less than 300 pages; (2) geographical knowledge tested by the location of places, movements, or territorial changes on an outline map (by physical features wherever possible, as well as by political features); (3) comparisons between historical characters, periods, or events; (4) in general the exercise of judgment and the power to combine results of reading in orderly fashion. The last two requirements must be met in part by some forms of written work.

The following list will indicate the nature and amount of work required in text-books and supplementary readings.

Greek History — Either (*a*) Oman's or Myers' History of Greece, with additional reading,

or (*b*) Fyffe's Greece, Sheldon's Studies, and 400 pages additional reading,

or (*c*) Fyffe; Curtius' History of Greece, Book i, Ch. i; Book iii, Ch. iii; and *either* (*1*) Plutarch's Lives of Aristides and Demosthenes, *or* (*2*) Curtius' History of Greece, Book ii, Ch. iv.

Roman History — Either (*a*) Allen's Short History of the Roman People, and 300 pages additional reading,

or (*b*) both Creighton's Rome and Sheldon's Studies, and 400 pages additional reading,

or (*c*) Creighton's Rome; Tighe's Development of the Roman Constitution; and *either* (*1*) Froude's Cæsar, Ch. xiv, xxvi-xxviii, Plutarch's Lives of Cato the Elder and Cicero, and the comparisons of Cato with Aristides, and of Cicero with Demosthenes; *or* (*2*) Beesly's The Gracchi, Marius, and Sulla.

English History — Either Higginson and Channing's English History for Americans, or Ransome's Short History of England, *or* Montgomery's Leading Facts of English History, *or* Gardiner's English History for Schools, *or* Gardiner's Student's History, each with at least 300 pages additional reading, which may be selected from the following list: — Guest's Lectures on English History, Green's Short History of the English People, Ch. i and Ch. vi, sections iii-vii, Freeman's Short History of the Norman Conquest, Mrs. J. R. Green's Henry II, Creighton's Age of Elizabeth, Gardiner's Puritan Revolution, Macaulay's History of England, Ch. iii, Woodburn's "Lecky's American Revolution," Seeley's Expansion of England.

American History — Either (*a*) Channing's Students' History of the United States or Johnston's History of the United States for Schools, each with 200 pages additional reading,

or (*b*) Higginson's Young Folks' History of the United States, through Ch. xvi, together with 200 pages additional reading and *either* (*1*) Channing's United States 1765–1865, *or* (*2*) Johnston, from beginning of Period V,

or (*c*) Higginson; Lodge's English Colonies, Ch. ii and xxii; Morse's John Quincy Adams, Ch. ii and iii; Josiah Quincy's Figures of the Past.

The American Historical Association through the report of its Committee of Seven and the New England History Teachers' Association through a concurrent report of its Committee of Six have recommended the following course of study in History in all secondary schools.

1st year, Ancient History to 800 A.D.

2nd year, Mediæval and Modern European History.

3rd year, English History.

4th year, American History and Civil Government.

In view of these reports and their probable adoption in many schools, examinations will be offered and certificates accepted in Ancient History to 800 and Mediæval and Modern European History, as the equivalent of the present Group I, for such schools as have already adopted or are preparing to adopt this course of study.

MATHEMATICS I

Thorough drill in Arithmetic is of vital importance in the study of Mathematics. Facility in the use of integral and fractional numbers should be acquired in the lower grades and retained by the use of numerical examples through the high school course. Short processes and decimals including the metric system should be used habitually. It is assumed that this fundamental work has been done.

Algebra — The fundamental operations, simple equations with applications to problems involving two or more unknown quantities, the principles of factoring, involution and evolution applied to expressions containing fractional and negative exponents, radicals including imaginaries and radical equations, quadratic equations with applications to problems involving two or more unknown quantities.

In 1903 and after, the following will be added to the requirements in Algebra: Arithmetical and geometrical progression, ratio and proportion, and the binomial theorem for positive integral exponents.

Plane Geometry — The ordinary propositions relating to rectilinear figures, the measure of angles, proportion and similar figures, regular polygons, circles, areas, constructions and computations involving applications of the more important propositions, original propositions.

MATHEMATICS II

Algebra — Including equations in quadratic form, inequalities, indeterminate equations, proportion, variation, the three progressions, binomial formula for any exponent, convergency of series, and undetermined coefficients, as treated in a college algebra.

Geometry — Solid Geometry, the ordinary propositions relating to right lines and planes in space, to the measurements of prisms, cylinders, pyramids, cones, frustums, the sphere and portions of its surface and volume, the solution of problems involving the computation and comparison of the surfaces and volumes of the cylinder, cone, frustum of cone, sphere, and their principal inscribed and circumscribed solids.

Trigonometry — Plane Trigonometry, the theory of the functions and their relations so far as to furnish formulae for the computation of the tables and the solution of right and oblique triangles, the use of logarithmic and trigonometric tables in the solution of problems.

LATIN

A knowledge of the Latin language sufficient to enable the student —

I. To translate at sight passages of Latin prose and verse, and to answer questions on ordinary forms, constructions, and idioms, and on prosody.

II. To pass a thorough examination on Cicero's speeches against Catiline, ii, iii, and iv, directed to testing the candidate's mastery of ordinary forms, constructions, and idioms of the language.

III. To translate into Latin prose a passage of connected English narrative, based on some portion of the Latin prose works usually read in preparation for college, and limited to the subject-matter of those works.

Careful attention should be given from the beginning to the correct pronunciation of Latin words, both as to quantity and to syllabication. Such pronunciation greatly aids the study of prosody, and is indispensable to the correct reading of Latin poetry.

The examination, except as stated in II above, will be directed to testing the candidate's knowledge of Latin as a whole rather than his knowledge of special works which he has studied. It is believed that

the study of Latin for four years with five lessons a week, covering an amount equal to four books of Cæsar, six speeches of Cicero, and not less than 4500 lines of Virgil and 1500 lines of Ovid, together with constant attention to Latin composition and to reading at sight, will be sufficient to give the required proficiency.

GREEK

A knowledge of the Greek language sufficient to enable the student —

I. To translate at sight passages of Attic prose and of Homer, and to answer questions on ordinary forms, constructions, and idioms, and on prosody.

II. To pass a thorough examination on Xenophon's Anabasis, Book ii, directed to testing the candidate's mastery of ordinary forms, constructions, and idioms of the language.

III. To translate into Greek prose a passage of connected English narrative, based on some portion of the Greek prose works usually read in preparation for college, and limited to the subject-matter of those works.

IV. To read aloud in the Greek, with correct pronunciation, with full expression of the sense of the passage, and, in poetry, with correct expression of the rhythm.

The examination, except as stated in II above, will be directed to testing the candidate's knowledge of Greek as a whole rather than his knowledge of special works which he has studied. It is believed that the study of Greek for three years with five hours a week, covering an amount equal to four books of Xenophon's Anabasis and five books of Homer, together with constant attention to Greek composition and to reading at sight, will be sufficient to give the required proficiency.

ADMISSION BY CERTIFICATE

Candidates for admission by certificate must present certificates covering Books i and ii of Xenophon's Anabasis, Books iii and iv of the Anabasis or their equivalent in other Attic prose, and 2500 lines of Homer.

FRENCH

I. A thorough knowledge of accidence and a familiarity with the essentials of French syntax.

II. The ability to translate at sight ordinary French prose into simple, idiomatic English.

III. The ability to translate into French a connected passage of English based on the text read.

IV. The ability to write ordinary French at dictation.

V. The ability to pronounce French well.

The following course of study is suggested as adequate to secure the proficiency desired:

FIRST YEAR — FIVE LESSONS A WEEK

Drill in pronunciation. The rudiments of grammar, including the conjugation of regular verbs and of the more frequent irregular verbs; the inflection of nouns and adjectives (except the rare forms); the uses of articles, pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax. The translation into French of simple English sentences illustrating the common forms and principles of grammar. The reading of 300 duodecimo pages of simple French prose, with constant practice in turning into French easy variations of the text read. Oral translation and writing of French at slow dictation.

The following texts are suggested as suitable reading for the first year: Mérimée's Colomba, Halévy's L'Abbé Constantin, Jules Verne's Le Tour du monde en quatre-vingts jours, About's Le Roi des montagnes, Lamartine's Jeanne d'Arc, Labiche and Martin's Le Voyage de M. Perrichon, Malot's Sans Famille, Legouvé and Labiche's La Cigale chez les fourmis, Erckmann-Chatrian's L'Histoire d'un paysan and Le Conscrit de 1813, Dumas' La Tulipe noire.

SECOND YEAR — FIVE LESSONS A WEEK

By this time the pupil should be familiar with accidence, and the grammar work should be confined to the study of syntax, with composition exercises illustrating its essential rules.

About 550–600 duodecimo pages of French prose of ordinary difficulty should be read, and the pupil should be drilled in pronunciation, in oral and written translations into French of variations of the text read, in oral translation and writing of French from dictation, and, in addition, he should be required to give French paraphrases and abstracts of portions of the reading matter.

The following texts are suggested as suitable reading for the second year: Loti's Pêcheur d'Islande; Augier's Le Gendre de M. Poirier, Balzac's Le Curé de Tours, Coppée's and Daudet's Stories, Molière's

L'Avare and Le Bourgeois gentilhomme, Sandeau's Mademoiselle de la Seiglière, Vigny's La Canne de jonc; Sand's La Mare au diable and La petite Fadette.

GERMAN

I. Ability to pronounce German well.

II. Ability to translate *at sight* a passage of German *prose* of *ordinary difficulty*.

III. Ability to put into German a connected passage of simple English *paraphrased* from a given German text, or to turn simple English sentences into German without a model.

IV. Ability to answer any *grammatical* questions relating to *usual* forms and *essential* principles of the language, including syntax and word-formation.

V. Ability to translate, and to explain, if explanation is called for, a passage of *classical* literature taken from some text previously studied.

The following course of study in German is suggested as adequate to secure the proficiency desired:

FIRST YEAR — FIVE LESSONS A WEEK

(1) *Pronunciation* — Careful attention should be given to the acquisition of a correct pronunciation.

The imitation of the teacher's pronunciation will be the chief factor in the problem; dictation and a knowledge of the rudiments of phonetics will be found very helpful. The attention of the teacher is called to Hempl's German Orthography and Phonology, and to Grandgent's German and English Sounds.

(2) *Memorizing and frequent repetition of easy colloquial sentences* (with variations).

Object — to develop feeling for the language.

(3) *Rudiments of Grammar* (*thoroughly* learned and studied with *exercises*).

Declension of articles, nouns (taken from the language of every-day life), adjectives, pronouns. Comparison of adjectives. Auxiliary verbs (of tense and mood). Weak verbs, more usual strong verbs, more usual prepositions and the cases they govern, more usual conjunctions. Sentence order. Elementary syntax.

Thomas's Practical German Grammar recommended.

(4) *Reading* (narrative prose with some poetry), 150 pages.

either (a) a Reader with graduated selections followed by short stories,

or (b) Märchen and short stories in graduated texts. Storm's Immensee, Zschokke's Der zerbrochene Krug (edition Joynes), Einer Muss Heiraten, and similar stories and plays are recommended.

(5) *Paraphrasing* — Constant practice in translating into German *easy variations* upon sentences in the reading lesson.

SECOND YEAR — FIVE LESSONS A WEEK

(1) *Reading* (narrative prose chiefly, a comedy and one classic), 250–300 pages.

The following course is suggested: —

(a) Short stories — Heyse: L'Arrabbiata (edition Lenz); Riehl: Vierzehn Nothelfer. (b) Selection from historical prose — in Hoffmann's Historische Erzählungen the selection Der deutsch-französische Krieg (edition Beresford-Webb). (c) A comedy — Benedix: Dr. Wespe or Der Prozesz. (d) One classic — Goethe: Hermann und Dorothea (edition Thomas). (e) 50 pages of Freytag's prose.

(2) *Paraphrasing* — Constant practice in variations upon texts read.

(3) *Grammar* — (a) Drill upon essentials (continued). (b) Enlargement of grammatical knowledge.

(4) *Word-formation* — Rudiments.

CHEMISTRY

Acquaintance by laboratory work with elementary processes and with the properties of substances common in Chemistry; familiarity with the chemical notation in its experimental and arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations; understanding and ability to use correctly the ordinary terms of Descriptive Chemistry. Bartlett's Laboratory Exercises, Parts i–v (exclusive of Class i, Part ii), or equivalent. A certified note-book of laboratory work must be presented at the time of examination. The candidate should have had in addition recitations based upon any good elementary descriptive textbook through the non-metallic and metallic elements.

To meet the above requirement, at least 110 hours of elementary chemistry are necessary, one-half laboratory work, illustrating the

preparation and the properties of the substances ordinarily treated in elementary chemistry. Qualitative Analysis will not be accepted as an equivalent for the laboratory work prescribed.

PHYSICS

The equivalent of at least one hundred and ten one-hour exercises, of which as many as forty should be practical exercises in the laboratory. The student is expected, in the time devoted to the laboratory work, to perform at least forty experiments, and to have kept a neat and orderly record of the same in a note-book, described in his own words. This note-book should bear the certification of the instructor and be presented for inspection at the time of the entrance examinations to College.

The student should be taught, as far as possible, to apply the simpler principles of Algebra and Geometry to the solution of practical problems in Physics.

Any one of the following texts or manuals may be recommended for use in secondary schools preparing students for Dartmouth College: Elements of Physics, Carhart and Chute; Elements of Physics, Crew; A Text-Book of Physics, Hall and Bergen; Outlines of Physics, Nichols; Elements of Physics, Rowland and Ames; Text-Book of Physics, Wentworth and Hill.

BIOLOGY

I. *Zoölogy* — The equivalent of fifty one-hour exercises, consisting mainly of laboratory work in the study of the structure and life-histories of representative animals.

The candidate will be required to present a certified note-book, containing complete records of the conditions under which his observations were made, as well as the observations themselves; also sketches of all the animals, or their organs, that have been studied.

No work necessitating the use of a compound microscope is required.

Work like that outlined in Needham's Elementary Lessons in Zoölogy will be acceptable.

II. *Botany* — The equivalent of fifty one-hour exercises, consisting mainly of laboratory work on the natural history of plants.

The candidate must present a note-book containing the notes and drawings he has made, and bearing the endorsement of his teacher certifying that the book is a true record of the pupil's own observations. The presentation of an herbarium is not required, and no weight will be given this evidence of work done unless it illustrates some definite problem in plant relationship.

No work necessitating the use of a compound microscope is required.

Bergen's Elements of Botany or Spaulding's Introduction to Botany. If Gray's lessons are used, they must be supplemented with additional physiology and the use of some such book as Coulter's Plant Relations.

METHODS OF ADMISSION

Admission to the Freshman class in College is gained either by examination or by certificate.

ADMISSION BY EXAMINATION

Candidates in 1902 will present themselves with their credentials at the Dean's office at one of the following hours, for registration and admission to the examinations.

On Wednesday, June 18, at 8.30 A.M. and 2.30 P.M.; on Thursday, June 19, at 8.30 A.M. and 2.30 P.M.; on Friday, June 20, at 8.30 A.M. and 2.30 P.M.; on Saturday, June 21, at 8.30 A.M.

On Thursday, September 11, at 2.30 P.M.; on Friday, September 12, at 8.30 A.M. and 2.30 P.M.; on Saturday, September 13, at 8.30 A.M. and 2.30 P.M.; on Monday, September 15, at 8.30 A.M. and 2.30 P.M.; on Tuesday, September 16, at 8.30 A M. and 2.30 P.M.; on Wednesday, September 17, at 8.30 A.M. and 2.30 P.M.

Examinations for admission are held in room H, Chandler Hall, as follows:

In Physics or Biology, on Wednesday, June 18, at 9.00 A.M., and on Thursday, September 11, at 3.00 P.M.

In Greek and French or German, on Wednesday, June 18, at 3.00 P.M., and on Friday, September 12, at 9.00 A.M.

In Mathematics I, on Thursday, June 19, at 9.00 A.M., and on Saturday, September 13, at 9.00 A.M.

In Chemistry or Biology, on Thursday, June 19, at 3.00 P.M., and on Friday, September 12, at 3.00 P.M.

In History, on Friday, June 20, at 9.00 A.M., and on Saturday, September 13, at 3.00 P.M.

In Latin and Mathematics II, on Friday, June 20, at 3.00 P.M., and on Monday, September 15, at 9.00 A.M.

In English, on Saturday, June 21, at 8.30 A.M., and on Monday, September 15, at 3.00 P.M.

Examinations for admission to the Freshman class (but not to higher classes) will also be held on the above specified days in June, in Manchester, N. H.; St. Johnsbury, Vt.; Boston (at the DeMeritte School, 30 Huntington Avenue); New York City and Chicago, at places to be announced in the local newspapers or by personal notice to applicants; provided that the number of candidates for examination, preliminary or final, in any of the places named shall warrant it. All application for examinations in June at these places should be made to the Dean before June 10th.

The College is also prepared to hold an examination for admission to the Freshman class (but not to higher classes) on the above-named days in June in any city or at any school where the number of candidates for examination, preliminary or final, and the distance from other places of examination may warrant it, provided that applications for this purpose be made to the Dean before June 1st.

PRELIMINARY EXAMINATIONS

Candidates for admission to the Freshman class are allowed to take a partial examination, one year before their matriculation, on the following subjects:

Mathematics: Geometry.

Latin: 1. The translation at sight of simple prose and verse.

2. A thorough examination on Cicero's speeches against Catiline ii, iii, and iv, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Latin prose, involving the use of such words, constructions, and idioms only, as occur in the speeches prescribed.

Greek: 1. The translation at sight of simple Greek prose.

2. A thorough examination on Xenophon's Anabasis, Book ii, directed to testing the candidate's mastery of the ordinary forms, constructions, and idioms of the language; the test to consist, in part, of writing simple Greek prose, involving the use of such words, constructions, and idioms only, as occur in the portion of Xenophon prescribed.

French: Grammar, including composition, and translation of works read during first year, as indicated under the requirements in French.

German: Grammar, including composition, and translation of works, as indicated under the first year requirements in German.

In this examination no condition will be imposed, and a failure in any subject will necessitate the re-examination of the candidate in the department to which that subject belongs.

Candidates who have passed the examination will receive certificates for the work done, and these certificates, when presented in the following year, but not later, will be received in place of an examination, in the subjects mentioned in them.

ADMISSION BY CERTIFICATE

In place of examinations, certificates will be received from preparatory schools which have been approved by vote of the Faculty. No school will be approved that has not an established, regular, and thorough course of preparation for college, and all schools which desire to be placed on the list of "approved schools" should send to the Dean of the Faculty for a printed form of application, containing the conditions for the approval of a school and the requirements which must be met. Approval of a school will be withdrawn whenever it appears that the work of the school does not reach the standard desired by the College. No certificate will be accepted from a private tutor or instructor.

Certificates should meet the requirements in full; the candidate will be examined on any requirement not covered by the certificate, but if the certificate makes exceptions in more than a third of the departments of study required for admission, it will not be accepted, and the candidate will be examined on all the requirements.

Certificates must be made out on blanks furnished by the Dean of the Faculty, and it is requested that they be sent to him at the close of the school year.

MATRICULATION

After registration and the acceptance of the examination papers or certificates at the office of the Dean, and the payment of the tuition for the first semester at the office of the Treasurer, the student will receive his matriculation papers from the President of the College.

Freshmen whose attendance and scholarship are unsatisfactory during the first semester will be dropped from College at the close of the semester; this action will ordinarily be taken in the case of Freshmen who fail to make recitation standing in two or more courses, or who, having low recitation standing, seriously fail in examinations, or who, having entered on conditions, show by the unsatisfactory character of their current work that they are unable to continue without further preparation. If a student admitted on certificate, and subsequently dropped from the Freshman class on account of poor scholarship, applies for readmission to College, he must pass examination in those subjects in which he failed to make recitation standing to the time of his leaving College; if admitted by examination with conditions, he must remove the conditions by examination before being readmitted.

RESIDENT GRADUATE STUDENTS

Instructions to graduate students who wish to take courses leading to graduate degrees, may be found on page 152.

Graduates of this or any other College, desirous of pursuing their studies in residence, without reference to a degree, may attend the public lectures of the College, and use the library, laboratories, apparatus, and scientific collections, subject to such rules as the Faculty may establish.

ADVANCED STANDING

Candidates for advanced standing are examined, in addition to the studies required for admission, in those which have been pursued by the class which they propose to enter, or in others equivalent to them. Certificates from schools are not accepted for studies which are offered for advanced standing.

Students from other Colleges, which require the same or equal terms of admission with Dartmouth, and which offer the same or equal courses of study, will be credited with the work for which they bring the record of full standing in their letters of transfer.

SPECIAL STUDENTS

Persons who desire to attend the lectures and recitations of particular departments only, may have that privilege, provided they give evidence that they are fully prepared to enter upon the studies of such

departments, and provided also, they represent so much general training as may entitle them to undertake college work. Students who are enrolled as members of classes, but who fail in one or more studies, are not allowed to become special students, but are required, if they remain in College, to make up the studies in which they failed, with the class below. No provision is made for partial in distinction from special students.

RESIDENT GRADUATE STUDENTS

Instructions to graduate students who wish to take courses leading to graduate degrees, may be found on page 147.

Graduates of this or any other College, desirous of pursuing their studies in residence, without reference to a degree, may attend the public lectures of the College, and use the library, laboratories, apparatus, and scientific collections, subject to such rules as the Faculty may establish.

DEPARTMENTS OF INSTRUCTION

Figures in brackets indicate number of exercises a week.

GREEK

PROFESSOR ADAMS, ASSOCIATE PROFESSOR LORD, AND MR. HUSBAND

1. (*a*) Herodotus, Books VI. and VII. Plato, Apology. Writing Greek based on the texts read. This course is given to Division I. First Semester, fifty-four exercises, [3]. PROFESSOR LORD.

(*b*) Herodotus, Books VI. and VII. Systematic review of forms and syntax. This course is given to Division II. First Semester, fifty-four exercises, [3]. MR. HUSBAND.

2. Homer: Odyssey. Systematic study of Epic forms and syntax. Lectures on the beginnings of Greek Literature and on Homeric Antiquities. Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS AND MR. HUSBAND.

3. Lyric Poetry. Reading of selections. Lectures on the relations of Lyric poetry to contemporary life, and on the development of its types. First Semester (Second Semester in 1902–1903), thirty-six exercises, [2].

PROFESSOR LORD.

4. Greek Drama I. Sophocles: Œdipus Tyrannus. This course is designed as a general introduction to Drama. Lectures on the development of Greek Drama. Second Semester (First Semester after 1901–1902), fifty-four exercises, [3]. PROFESSOR LORD.

5. Greek Drama II. Æschylus: The Oresteia. The three dramas will be studied in part by class translation, and in part by readings and lectures by the instructor. Lectures on dramatic criticism. First Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

6a. Greek Drama III. Euripides: Iphigenia among the Taurians, Alcestis. Lectures on the construction of theatres in Greece, and discussion of problems in the staging of Greek plays. Second Semester, fifty-four exercises, [3]. PROFESSOR LORD.

6b. Greek Drama IV. Aristophanes: Reading of the Clouds and the Acharnians. History of Greek Comedy. Attitude of the comic writers toward current events and the sophistic movement. Second Semester (First Semester in 1902–1903), thirty-six exercises, [2]. MR. HUSBAND.

7. Epic poetry. History of Homeric Study. The Iliad will be read with reference to special problems, particularly theories of European production. First Semester, fifty-four exercises, [3]. [Not offered in 1901–1902.] PROFESSOR LORD.

8. Thucydides: Books VI. and VII. The Sicilian Expedition. The reading will be preceded by a study of conditions in Greece during the Peloponnesian War. Political History of Athens. A small part of the text will be made the basis of an introduction to textual criticism. Second Semester, fifty-four exercises, [3]. [Not offered in 1901–1902.] MR. HUSBAND.

9a. Greek Oratory I. Studies in the development of Greek Oratory. Lectures and exercises in rhetorical criticism. Collateral reading in the History of Greek Literature. The class will read selections from Gorgias, Isocrates, Antiphon, and Lysias. First Semester, fifty-four exercises, [3]. [Not offered in 1901–1902.] PROFESSOR ADAMS.

9b. Greek Oratory II. Demosthenes: De Corona. The reading course is preceded by a careful study of the history of Greece from the close of the Peloponnesian War to the death of Alexander, with lectures upon the significance of the struggle with Philip. The oration is studied with special emphasis upon its rhetorical features. First Semester (Second Semester after 1901–1902), fifty-four exercises, [3]. PROFESSOR ADAMS AND MR. HUSBAND.

10. Greek Philosophy. Plato: The Phædo and Selections. Introduction to Platonism. Collateral reading in the History of Greek Philosophy. Second Semester, fifty-four exercises, [3]. [Not offered in 1901–1902.] PROFESSOR LORD.

11. Greek Language I. The moods and tenses will be studied topically from Goodwin's *Moods and Tenses* and Gildersleeve's *Syntax of Classical Greek*. Parts of the De Corona will be made the basis of practice in writing Greek, and of the study of particular words, idioms and constructions, by individual assignment of topics; this special work will be reported in a final thesis. Open only to those who have read the De Corona. First Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

12. Greek Language II. This is a continuation of Course 11, and will include weekly practice in writing Greek, Introduction to Greek Phonetics, Study of Phonology, and the Morphology of Nouns and Verbs. Giles, *Manual of Comparative Philology* (Edition of 1901), will be used as a text-book. Open only to those who have taken Course 11, or, as a two-hour course, to Juniors and Seniors who have a good reading knowledge of Greek and Latin. Second Semester, fifty-four exercises, [3]. MR. HUSBAND.

13. Greek Language III. Linguistics: Relation of different members of the Indo-European family of Languages. Rise and development of Language. Causes of change in Language. History of the Numerals. Sweet, *The History of Language*, will be used as a text-book. Parallel readings from Whitney will be required. Open only to Seniors who have taken Course 12. First Semester, eighteen exercises, [1]. MR. HUSBAND.

14. History of Greek Literature. Lectures upon the development of Greek Literature and its relation to the political and artistic development of the Greek people. Rapid reading of selections from some authors not included in the preceding courses. Second Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

15. Greek Archæology I. Introduction to the study of Architecture, Sculpture, and Painted Vases. This course informs the student of the sources and the more important characteristics of the materials for Greek Archæology. Constant use is made in this

course and in Course 16 of the Sullivan collection of photographs purchased by contributions from alumni. First Semester, fifty-four exercises, [3]. PROFESSOR LORD.

16. Greek Archæology II. Sculpture: Study by manuals and by lectures. Independent studies from photographs and casts are required. This course in Greek Art is independent of Course 15 and is open to all students in the Classical Course. Ability to read French and German is very desirable, but will not be required at present. Second Semester, fifty-four exercises, [3]. PROFESSOR LORD.

LATIN

PROFESSOR J. K. LORD, ASSOCIATE PROFESSOR MOORE, AND ASSISTANT PROFESSOR BURTON

Courses 9 and 9 a, 10 and 10 a, 11 and 11 a, are given in alternate years respectively.

1. (a) Livy: Selections from Books xxi and xxii, with reading at sight. (b) Terence: *Andria*. Scenic antiquities. Exercises in composition on the basis of the texts. First Semester, fifty-four exercises, [3]. PROFESSORS LORD, MOORE, AND BURTON.

2. Horace: *Odes* and *Epodes*. Second Semester, fifty-four exercises, [3]. PROFESSORS LORD, MOORE, AND BURTON.

3. Cicero: *Letters*. Catullus. Roman Antiquities. Lectures on various topics suggested by the text. First Semester, fifty-four exercises, [3]. PROFESSOR MOORE.

4. Pliny: *Letters*. Tibullus. History of Roman Literature. Second Semester, fifty-four exercises, [3]. PROFESSOR MOORE.

5. Tacitus: *Agricola* and *Germania*. Lectures on the early history of Britain and Germany. First Semester, thirty-six exercises, [2]. PROFESSOR BURTON.

6. Tacitus: *Histories*. Selections, with special reference to the style of the historian. Latin Composition. Second Semester, thirty-six exercises, [2]. PROFESSOR BURTON.

7. Latin Composition. The passages will be based chiefly on the De Senectute of Cicero. This is an elementary course, and its main

object is to give instruction and drill in the principles of Latin grammar. First Semester, eighteen exercises, [1].

PROFESSOR BURTON.

8. Latin Composition. Continuation of Course 7. Second Semester, eighteen exercises, [1]. PROFESSOR BURTON.

9. Cicero: *Brutus*. As far as possible, fragments of Roman oratory illustrative of Cicero's judgments will be read, and also passages from his other works that deal with his own theory and practice of oratory. Each student will be required to study carefully a speech of Cicero, and to prepare and to read before the class an essay upon it. Latin composition will form a part of the course. First Semester, fifty-four exercises, [3].

[1902–1903.] PROFESSOR LORD.

9a. Latin Literature. Selections from different authors illustrating the development of the literature. Lectures will be given upon the literature and upon individual authors, and essays and reports upon subjects assigned for special study in connection with the course will be required of the students. First Semester, fifty-four exercises, [3].

PROFESSOR LORD.

10. Horace: *Satires* and *Epistles*, with special reference to the social life of the times. Second Semester, fifty-four exercises, [3].

[1902–1903.] PROFESSOR LORD.

10a. Seneca: *Essays* and *Epistles*. Second Semester, fifty-four exercises, [3]. PROFESSOR LORD.

11. Lucretius: Books i, iii, and v will be read. Other portions will be assigned to individual members for presentation in the class. Each student will make a report on a certain amount of prescribed reading on the subject of Epicurean philosophy. First Semester, fifty-four exercises, [3]. PROFESSOR BURTON.

11a. Plautus and Seneca. The *Trinummus* and the *Captivi* of Plautus will be read in the class, and in addition each student will be required to read one play by himself, and to make report upon it before the class. The *Medea* and *Phædra* of Seneca. First Semester, fifty-four exercises, [3].

[1902–1903.] PROFESSOR MOORE.

12. Justinian: *Institutes*, with selec passages from Gaius and the Digest. Second Semester, thirty-six exercises, [2].

[1902–1903.] PROFESSOR MOORE.

13. Latin Composition. A careful study of the idioms, constructions, and principles of arrangement in Latin composition will be applied in translations into Latin of passages based upon assigned portions of Latin authors, and in imitations of other portions set as models. First Semester, eighteen exercises, [1].

PROFESSOR LORD.

14. Latin Composition. Continuation of Course 13. Second Semester, eighteen exercises, [1]. PROFESSOR LORD.

15. Latin Epigraphy I. This course aims to acquaint students with the nature and use of inscriptions, together with the means available for their study. A selection from the inscriptions of the republic, mainly to illustrate the development of the language in its formative period. First Semester, eighteen exercises, [1].

PROFESSOR BURTON.

16. Latin Epigraphy II. The reading and interpretation of inscriptions from the time of the empire, chosen with reference to their historic interest, or their bearing upon life and manners. In exceptional cases, and with the consent of the instructor, this course may be elected by students who have not taken Course 15. Second Semester, eighteen exercises, [1].

[1902–1903.] PROFESSOR MOORE.

18. Roman Satire. The development of this form of literature will be considered in its various phases. The class will read selections from Merrill's Fragments of Roman Satire and some of the Satires of Horace, Persius, and Juvenal. Second Semester, thirty-six exercises, [2]. PROFESSOR BURTON.

19. Roman Archæology I. The course aims to follow Roman art in its various branches down into the third century, together with the development of the city of Rome and the history of its monuments. Each student will be required to take some special subject for a paper involving the use of such authorities as Pliny the Elder and Vitruvius. First Semester, thirty-six exercises, [2].

PROFESSORS MOORE AND BURTON.

20. Roman Archæology II. This course begins with the age of Diocletian, follows the later stages of decline in the West, together with the new impulse from the East, and passes over from Roman art into the Romanesque. Special attention will be given to the paint-

ings of the catacombs, to the churches of Rome and Ravenna, with their mosaics. Course 19 is a necessary pre-requisite, and students will present a thesis based upon the study of original sources. Second Semester, thirty-six exercises, [2].

PROFESSOR MOORE.

HEBREW

DR. HUNTINGTON

2. Bissell's Practical Introductory Hebrew Grammar and Exercises. Reading at sight of chapters of Genesis and Psalms. Recitations. Second Semester, fifty-four exercises, [3].

ENGLISH

PROFESSORS RICHARDSON AND EMERY, ASSISTANT PROFESSOR LAYCOCK, DR. HARDY, AND MESSRS. KEYES AND BROWN

I

COMPOSITION, RHETORIC, AND CRITICISM

1. English Composition and Rhetoric. An introduction to the study of Rhetoric, with the preparation and criticism of themes, and constant reference to printed examples of correct and incorrect style. (Pearson's Principles of Composition and Hill's Principles of Rhetoric.) First Semester, thirty-six exercises, [2].

PROFESSOR EMERY AND MESSRS. KEYES AND BROWN.

2. English Composition and Rhetoric. A continuation of Course 1. (Wendell's English Composition.) Second Semester, thirty-six exercises, [2].

PROFESSOR EMERY AND MESSRS. KEYES AND BROWN.

3. English Composition and Literary Analysis. This course is designed to acquaint the student with the finer elements of style, both in prose and in verse, and to enable him to use his knowledge in effective literary expression. Daily reports and weekly themes, based upon a wide range of assigned readings. (Sherman's Analytics of Literature.) First Semester, fifty-four exercises, [3].

[Offered in 1902–1903.] PROFESSOR EMERY AND MR. KEYES.

4. Composition and Analysis. This course is a continuation of Course 3, and is open only to such students as have completed that course. Second Semester, fifty-four exercises, [3].

PROFESSOR EMERY AND MR. KEYES.

5. Advanced English Composition, with daily and weekly themes. This course is open to such Seniors and Juniors as are competent to pursue and profit by the course. (Gardiner's Forms of Prose Literature.) First Semester, fifty-four exercises, [3].

PROFESSOR EMERY.

6. English Criticism. The history and comparison of the various schools of criticism in England and America, with constant application of the principles of criticism to English and American writers. Daily and weekly reports on assigned readings will be required. This course is open only to such students as have passed in English 5. (Winchester's Principles of Literary Criticism.) Second Semester, fifty-four exercises, [3].

PROFESSOR EMERY AND MR. KEYES.

II

ORATORY AND ARGUMENTATION

8. Oratory. A course in the elements of Public Speaking with weekly declamations and orations. Second Semester, eighteen exercises, [1]. PROFESSOR LAYCOCK AND MR. BROWN.

9. Argumentative Composition and Oratory. Lectures, Recitations, Briefs, and Forensics, with daily practice in the application of rhetorical and oratorical principles to argumentation. (Baker's Principles of Argumentation.) First Semester, fifty-four exercises, [3].

PROFESSOR LAYCOCK AND MR. BROWN.

10. Argumentative Oratory. This is a continuation of Course 9, and is open only to such students as have passed in that course. It will consist of the preparation of numerous briefs and forensics for debate, and daily practice in Oratorical Argumentation. Second Semester, fifty-four exercises, [3].

PROFESSOR LAYCOCK AND MR. BROWN.

11. Advanced Debate. This course is open only to such students as have passed in courses 9 and 10 with a rank of not less than 75. It will consist of the preparation of numerous Briefs and weekly practice in Debate. First Semester, thirty-six exercises, [2].

[Offered in 1902–1903.] PROFESSOR LAYCOCK.

13. Voice Culture and the History of Oratory; Lectures, Recitations, and Exercises in Voice Culture. Theses will be written and

delivered before the class by the students in this course. (Hardwicke's History of Oratory and Orators.) First Semester, fifty-four exercises, [3]. PROFESSOR LAYCOCK.

III

LITERATURE AND PHILOLOGY

15. English Literature. Lectures, with assignments of readings, daily illustrations from representative authors, and written tests. This course is designed to set forth the philosophy of literature, and the relation of English writers to their predecessors and contemporaries. First Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON.

16. American Literature. Lectures, recitations, and daily readings from representative authors, with discussions tending toward the development of independent critical power. (Richardson's American Poetry and Fiction.) Second Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON.

17. Old English. Essentials of phonology and accidence. Reading of selections, mainly prose. This course is open to such Seniors and Juniors as have attained an average rank of 75 in all their previous English courses. (Bright's Anglo-Saxon Reader.) First Semester, fifty-four exercises, [3]. DR. HARDY.

19. Middle English. This course is open only to such students as have attained an average rank of 75 in all their previous English courses. (Liddell's Selections from Chaucer's Canterbury Tales.) First Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON.

20. English Lyric Poetry. (Palgrave's Golden Treasury.) Second Semester, fifty-four exercises, [3].

PROFESSOR RICHARDSON.

21. The English Drama. Lectures on the history of the Drama, from the Miracle Plays to the Closing of the Theatres, with constant reading, and oral and written criticism of the plays considered. First Semester, fifty-four exercises, [3]. PROFESSOR EMERY.

22. Shakespeare. The critical and appreciative study of Shakespeare's plays, with lectures upon Shakespeare as a dramatic artist.

Weekly reports upon assigned readings will be required. This course is a continuation of Course 21, and is open only to such students as have passed in that course. Second Semester, fifty-four exercises, [3]. PROFESSOR EMERY.

FRENCH

PROFESSOR DOW, ASSISTANT PROFESSOR TAYLOR AND MESSRS. LANGLEY, SKINNER, AND UNDERWOOD

I

GRAMMAR AND TRANSLATION

1. First Year Course. Pronunciation; Elements of Grammar (Fraser and Squair, Part I) with oral and written exercises to illustrate their application; translation and sight-reading of easy French prose (Fraser and Squair's French Reader, Erckmann-Chatrian, *Contes fantastiques*); memorizing and simple paraphrasing in French of portions of the text read. First Semester, fifty-four exercises, [3].

PROFESSORS DOW AND TAYLOR AND MR. UNDERWOOD.

2. Continuation of Course 1. Translation and sight-reading of simple French prose (Mérimée, *Colomba;* Halévy, *l'Abbé Constantin;* Dumas, *la Tulipe noire*); easy dictations in French. Second Semester, fifty-four exercises, [3].

PROFESSORS DOW AND TAYLOR, AND MR. UNDERWOOD.

Courses 1 and 2 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who do not offer French for admission to college, and for Freshmen in the Classical Course who do not elect German and who are not eligible to a higher course. Either course may be elected after Freshman year, by students in the Classical Course not entitled to enter a more advanced course. A separate division, made up of students who have had a slight preparation in French will be formed for the sake of pursuing somewhat more advanced work than that of the other divisions.

3. Second Year Course. Grammar and composition-exercises to illustrate the essential rules of syntax; translation and sight-reading of ordinary French prose. (About, *le Roi des montagnes;* Dumas,

Monte-Cristo; Sarcey, *le Siège de Paris;* George Sand, *la Mare au diable*); memorizing and paraphrasing of portions of the text; drill in pronunciation; writing simple French at dictation. First Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. UNDERWOOD.

4. Continuation of Course 3. Vigny, *la Canne de jonc;* Hugo, *Quatre-vingt-treize;* Balzac, *Eugénie Grandet*, and several modern French comedies. Second Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. UNDERWOOD.

5. Third Year Course. A careful review of syntax (Fraser and Squair's Grammar) with practice in writing in French connected passages of English based upon a French model; translation and sight-reading of more difficult French prose and poetry, with grammatical analyses involving a more thorough knowledge of syntax; dictations in French. First Semester, fifty-four exercises, [3].

PROFESSORS DOW AND TAYLOR AND MR. UNDERWOOD.

6. Continuation of Course 5. Reading and study of some of the masterpieces of French literature (Corneille, *le Cid;* Racine, *Athalie;* Molière, *l'Avare, les Fourberies de Scapin, le Malade imaginaire;* La Fontaine, *Fables;* Beaumarchais, *le Mariage de Figaro;* Chateaubriand, *les Aventures du dernier Abencerage;* Hugo, *Hernani.* More rapid dictation of French; writing in French of brief abstracts of portions of the works read. Second Semester, fifty-four exercises, [3].

PROFESSORS DOW AND TAYLOR AND MR. UNDERWOOD.

Courses 5–6 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who offered French for admission to college. They may be elected by students who have passed in Courses 3–4 or by those who have had an amount of French equivalent to the requirements for admission to the Latin-Scientific and the Chandler Scientific Courses.

7. French Prose. Reading Course. Especially designed to meet the needs of students who wish to acquire a wide vocabulary and a reading knowledge of French that may be of service to them in connection with other studies. Composition used only as an aid to accurate translation and grasp of idiom; a large amount of translation and sight-reading of modern French prose, including a wide range of authors and a variety of vocabulary and style. Open to students

who have passed in Courses 3–4 or in the *advanced* division of Courses 1–2. First Semester, fifty-four exercises, [3].
PROFESSOR TAYLOR AND MR. LANGLEY.

8. Continuation of Course 7. Second Semester, fifty-four exercises, [3]. PROFESSOR TAYLOR AND MR. LANGLEY.

II

COMPOSITION AND CONVERSATION

9. Elementary Course. Grandgent's *French Composition* will be used as a text-book the first part of the course, and will be followed by exercises based upon some modern French prose work. In addition to the regular work in composition, there will be practice in writing from dictation. Open to students who have passed in Courses 3–4, or in the *advanced* division of Courses 1–2. First Semester, thirty-six exercises, [2]. MR. LANGLEY AND MR. SKINNER.

10. Continuation of the above. Second Semester, thirty-six exercises, [2]. MR. LANGLEY AND MR. SKINNER.

11. Advanced Course. Practice in speaking and writing French. Dictations, readings, and talks in French. The aim of the course is to enable the student to understand readily spoken French, to train him in the use of common idioms, and to familiarize him with the characteristic features of French public and private life, as subject-matter for conversation. Open to students who have passed in Courses 5–6, or Courses 7–8, and to such other students as may satisfy the instructor of their ability to do the work of the course. First Semester, thirty-six exercises, [2]. PROFESSOR DOW.

12. Continuation of Course 11. Open only to students who have taken that course. Second Semester, thirty-six exercises, [2].
PROFESSOR DOW.

III

LITERATURE

13. General Survey of French Literature. In this course students will be given an opportunity to become acquainted with many of the greatest works in French literature. After the *Récits extraits des*

poètes et prosateurs du moyen-âge, of Gaston Paris, and one essay of Montaigne, works of the following authors will be read: Corneille, Racine, Molière, Sévigné, and Saint-Simon. In addition to the reading, occasional themes in both French and English will be required from the students. Open to students who have passed in Courses 5–6, and, by permission of the instructor, to such others as may be able to do the work of the course. First Semester, fifty-four exercises, [3]. MR. SKINNER.

14. Continuation of Course 13. Special attention in this course will be paid to authors of the eighteenth and nineteenth centuries. The class will read selections from the works of Voltaire, Beaumarchais, Chénier, Chateaubriand, Balzac, George Sand; Poems by Alfred de Musset, Alfred de Vigny, Th. Gautier, Leconte de Lisle, Verlaine, Heredia, and Sully-Prudhomme. Second Semester, fifty-four exercises, [3]. MR. SKINNER.

15. History of French Literature in the Seventeenth Century. A study of the origin and development of the various forms, with particular attention to the classic French theatre. Reading in class of the following: Corneille, *le Cid*, *Polyeucte;* Racine, *Andromaque*, *Britannicus*, *Athalie;* Molière, *l'Avare*, *le Misanthrope*, *le Médecin malgré lui*, *le Bourgeois gentilhomme*, *les Femmes savantes;* La Fontaine, *Selected Fables*. Memorizing of selected passages; lectures, themes, collateral reading, and reports. Open to those students who have passed in Courses 13–14, and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. LANGLEY.

16. Continuation of Course 15. Second Semester, fifty-four exercises, [3].

PROFESSOR DOW AND MR. LANGLEY.

17. History of French Literature in the Nineteenth Century. A study of the French and the foreign origins of romanticism in France; of the conflict between romanticism and classicism; of the origin and growth of realism; of the influence of the Northern literatures in France, and of the more recent movements in French literature. Lectures, reading in class, themes, weekly reports, and collateral reading. Open to those students who have passed in Courses 13–14,

and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

[Offered in 1902–1903.] PROFESSOR DOW AND MR. LANGLEY.

18. Continuation of Course 17. Second Semester, fifty-four exercises, [3].

[Offered in 1902–1903.] PROFESSOR DOW AND MR. LANGLEY.

19. French Literature of the Sixteenth Century. The object of this course will be a study of the moral and intellectual features of the transition from mediæval to modern times as they appear in the writers of the French Renaissance period. *Le Seizième Siècle*, Darmestetter-Hatzfeld (Paris, 1893), will be used as a hand-book. There will be at first a short study of the state of the French language in the sixteenth century. Montaigne, Rabelais, Marot, Ronsard, and other representative authors will be read. Open to those students who have had either Courses 15–16 or 17–18, and to such others as may satisfy the instructor of their ability to do the work of the course. First Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR.

20. Continuation of Course 19. Second Semester, fifty-four exercises, [3].

PROFESSOR TAYLOR.

SPANISH

MR. SKINNER

1. Elementary Course in grammar, composition, and reading. The object of the course is to enable the student at the end of the year to translate easy English into Spanish, and to read with little difficulty modern prose.

The text-books used will be as follows : Loiseaux's *Spanish Grammar;* Ramsey's *Spanish Reader;* Alarcón, *El Capitán Veneno;* Galdós, *Doña Perfecta;* Moratín, "*El Sí de las Niñas;* Ford's *Spanish Composition.* First Semester, fifty-four exercises, [3].

2. Continuation of the above. Second Semester, fifty-four exercises, [3].

Students are not allowed to elect Spanish 1 and 2, and Italian 1 and 2 in the same year; students wishing to elect Spanish in Sophomore year must first obtain approval of instructor.

3. Advanced Spanish. Reading and Composition.

In this course attention will first be paid to the classic authors of the sixteenth and seventeenth centuries, and afterwards to the more important contemporary writers. The whole or parts of the following works will be read: Cervantes, *Don Quixote;* Calderón, *El Alcalde de Zalamea;* Guillen de Castro, *Las mocedades del Cid;* and novels by Alarcón, Valdés, and Valera. The works of some modern authors will be read outside the class-room. First Semester, fifty-four exercises, [3].

4. Continuation of the above. Second Semester, fifty-four exercises, [3].

ITALIAN

MR. LANGLEY

1. Elementary Course in grammar, composition, and reading.

Text-books to be used: Grandgent's *Italian Grammar* and *Italian Composition;* Bowen's *Italian Reader;* Goldoni's *Un Curioso Accidente,* and a considerable number of works by modern authors. First Semester, fifty-four exercises, [3].

2. Continuation of above. Second Semester, fifty-four exercises, [3].

Courses 1 and 2 may be elected by Seniors and Juniors.
Students are not allowed to elect Italian 1 and 2 and Spanish 1 and 2 in the same year; hence those planning to take two years of *both* Italian and Spanish in their college course must elect either Italian 1 and 2 or Spanish 1 and 2 in their Sophomore year, but any Sophomore wishing to elect either must first obtain approval of instructor.

3. Italian Literature of the Fourteenth Century, with special reference to Dante. Most of the year will be devoted to a careful interpretative study of the *Divina Commedia* (Scartazzini's edition). Selections from the *Rime* of Petrarch (Carducci's edition) and the *Decamerone* of Boccaccio (Fornaciari, *Novelle scelte*). A study of the history of the literature during the period: lectures, collateral reading, and reports. First Semester, fifty-four exercises, [3].

4. Continuation of Course 3. Second Semester, fifty-four exercises, [3].

Courses 3 and 4 are open only to those who have passed Courses 1 and 2 with a grade of at least 75 per cent.

GERMAN

ASSISTANT PROFESSOR W. A. ADAMS, DR. HARDY, AND MESSRS. STEWART AND UNDERWOOD

1. Elementary (*First Year*). (a) Pronunciation, (b) Memorizing and frequent repetition of easy colloquial sentences, (c) Rudiments of Grammar with exercises (Thomas's), (d) Reading selections from Hewett's German Reader, (e) Constant practice in translating into German easy variations upon sentences selected from the reading lesson, (f) Reading at sight. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS, DR. HARDY, AND MESSRS. STEWART AND UNDERWOOD.

2. Continuation of Course 1.—(a), (b), (c), (d), (e), (f), continued. Heyse: L'Arrabbiata (edition Lenz). Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS, DR. HARDY, AND MESSRS. STEWART AND UNDERWOOD.

Students taking Course 1 *must* also take Course 2 the next Semester. Courses 1 and 2 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who do not offer German for admission to college, and for Freshmen in the Classical Course who do not elect French on entering and are not eligible to Courses 3 and 4 or 5 and 6. Courses 1 and 2 may also be elected later than Freshman year by students in the Classical Course not qualified to enter a more advanced course.

3. Elementary (*Second Year*). Riehl: Der Fluch der Schönheit (edition Thomas). Hoffmann: Historische Erzählungen (edition Beresford-Webb). Benedix: Doctor Wespe. Grammar, paraphrasing of texts read, word-formation. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS, DR. HARDY, AND MR. STEWART.

Course 3 is a continuation of Courses 1 and 2. Students having had Courses 1 and 2, and wishing to continue their German, *must* choose Course 3. Students taking Course 3 are expected to elect Course 4 the next Semester.

4. Continuation of Course 3. Keller: Romeo und Julia auf dem Dorfe (edition Adams). Goethe: Hermann und Dorothea (edition Thomas). Historical Prose. Grammar, paraphrasing of texts read or of outside texts. Second Semester, fifty-four exercises, [3].
PROFESSOR ADAMS, DR. HARDY, AND MR. STEWART.

5. Advanced (*Third Year*). Keller: Kleider machen Leute (edition Lambert). Elster: Zwischen den Schlachten. Review of grammar, paraphrasing of texts, word-formation. First Semester, fifty-four exercises, [3]. MR. STEWART.

6. Continuation of Course 5. Selections from historical prose. Heine: Prose (edition A. B. Faust). Heine: Poems (edition White). Grammar, paraphrasing. Second Semester, fifty-four exercises, [3].
MR. STEWART.

Courses 5 and 6 are prescribed for Freshmen in the Latin-Scientific and the Chandler Scientific Courses who offered German for admission to college. They may be taken instead of 1, 2, 3, and 4 by Freshmen in the Latin-Scientific and Chandler Scientific Courses who have had an amount of German equivalent to the requirements for admission, but did not offer German for entrance. They may also be elected by Freshmen in the Classical Course who have had an amount of German equivalent to the requirements for admission to the Latin-Scientific and Chandler Scientific Courses.

7. Modern German Prose. Reading of a considerable amount of prose taken from representative modern writers. First Semester, fifty-four exercises, [3]. MR. STEWART.

Course 7 is open only to those who have previously had at least *two* years of German.

8. Modern German Prose. Continuation of course 7. Second Semester, fifty-four exercises, [3]. MR. STEWART.

9. Lyrics and Ballads. Reading of a considerable amount of representative German lyrics and ballads. Study of authors and periods. First Semester, fifty-four exercises, [3]. DR. HARDY.

Course 9 is open only to those who have previously had at least *two* years of German.

11. Lessing, Works and Life. Reading of plays and prose writings with study of life. Minna von Barnhelm; Emilia Galotti; Nathan der Weise. First Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 11 is open only to those who have previously had at least *two* years of German.

12. Schiller, Works and Life. Reading of plays, poems, and prose writings with study of life. Wilhelm Tell; Wallensteins Tod; Gedichte; Der dreiszigjährige Krieg. Second Semester, fifty-four exercises, [3]. DR. HARDY.

Course 12 is open only to those who have previously had at least *two* years of German.

13 and 14. Composition and Conversation. First and Second Semesters, seventy-two exercises, [2]. DR. HARDY.

Course 13 is open only to those who have previously had at least *two* years of German. Course 14 is open only to those who have taken Course 13.

15. Goethe, Works and Life. Selected poems, chronologically arranged. In connection with a study of the young Goethe, Götz von Berlichingen will be read, of the more mature Goethe, Iphigenie. Work supplemented by selections from the Autobiography, Heinemann's Goethe, and by lectures. Text-books: Goethe's Poems; Götz von Berlichingen (edition Goodrich); Iphigenie (edition Eggert); Dichtung und Wahrheit (edition Cotta). First Semester, fifty-four exercises, [3]. PROFESSOR ADAMS.

Course 15 is open only to those who have previously had at least *two* years of German and ordinarily would be taken most satisfactorily after *three* years of work in German. Consent of the instructor is necessary in the case of those who have previously had only *two* years of German.

16. Continuation of Course 15. Faust I and parts of Faust II. Study of the mature Goethe. Discussion of the leading essays in English upon Goethe. Lectures. Faust I (edition Thomas); Faust II (edition Thomas). Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Course 16 is open only to those who have previously had at least *two* years of German and ordinarily would be taken most

satisfactorily after *three* years of work in German. Consent of the instructor is necessary for those who have previously had only *two* years of German. Course 16 may be chosen by those who have not taken Course 15.

18. Brief Survey of the History of German Literature, supplemented by the reading of selections from a number of authors. Second Semester, fifty-four exercises, [3].

PROFESSOR ADAMS.

Permission of the instructor required before electing this course.

MATHEMATICS

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND HOLDEN

1. Algebra. Quadratic and indeterminate equations, ratio and proportion, variation, series, binomial formula, logarithms, permutations and combinations, theory of equations, graphic algebra. (Wells' College Algebra.) First Semester, seventy-two exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND HOLDEN.

1 a. Algebra. Logarithms, permutations and combinations, probability, continued fractions, summation of series, theory of equations, graphic algebra. (Wells' College Algebra.) First Semester, forty-eight exercises, [4]. PROFESSOR SHERMAN.

2. Solid Geometry, with original demonstrations and the solution of problems relating to the surfaces and volumes treated. (Phillips and Fisher.) Second Semester, twenty-eight exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND HOLDEN.

3. Spherical Trigonometry, with applications to geodesy and astronomy. (Phillips and Strong.) First Semester, twenty-four exercises, [4]. PROFESSOR SHERMAN.

4. Plane Trigonometry, with applications to problems in surveying. (Phillips and Strong.) Second Semester, twenty-eight exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND HOLDEN.

4 a. Spherical Trigonometry. (Phillips and Strong.) Second Semester, sixteen exercises, [4].

PROFESSORS SHERMAN AND WORTHEN AND MESSRS. PROCTOR AND HOLDEN.

5. Plane Analytic Geometry, including Higher Plane Curves. (Hardy.) First Semester, forty exercises, [4].

PROFESSOR WORTHEN.

6. Plane Analytic Geometry, including Higher Plane Curves. (Hardy.) Second Semester, fifty-two exercises, [4].

PROFESSOR WORTHEN.

7. Analytic Geometry of three dimensions. (Hardy.) First Semester, fourteen exercises, [4]. PROFESSOR WORTHEN.

8. Analytic Geometry of three dimensions. (Hardy.) Second Semester, twenty exercises, [4]. PROFESSOR WORTHEN.

9. Differential Calculus, with geometrical applications. (Hardy.) First Semester, eighteen exercises, [4].

PROFESSOR WORTHEN.

10. Differential Calculus, with geometrical applications. (Hardy.) Second Semester, thirty-six exercises, [4].

PROFESSOR WORTHEN.

10 a. Integral Calculus, with applications to analytic geometry. (Hardy.) Second Semester, thirty-six exercises, [4].

PROFESSOR WORTHEN.

11. Differential Calculus, with geometrical applications. (Hardy.) First Semester, seventy-two exercises, [4].

PROFESSOR SHERMAN.

12. Integral Calculus, with applications to analytic geometry, and including the elements of Differential Equations. (Murray.) Second Semester, seventy-two exercises, [4]. PROFESSOR SHERMAN.

Courses 1, 2, 4, 4 a, 5, 7, 9, 10, and 10 a are intended for those who enter with Mathematics I; Courses 1 a, 3, 6, 8, 11, and 12 are intended for those who enter with Mathematics II. Either of the above series is essential for the pursuit of the advanced courses in Engineering, Physics, and Astronomy.

13. Solution of Transcendental and Higher Algebraic Equations. (Merriman.) First Semester, eighteen exercises, [1].
PROFESSOR SHERMAN.

13 a. Determinants. (Weld.) First Semester, thirty-six exercises, [2]. PROFESSOR SHERMAN.

14. Differential Equations. (Murray.) Second Semester, thirty-six exercises, [2]. PROFESSOR WORTHEN.

15. Quaternions. (Hardy.) First Semester, thirty-six exercises, [2].
PROFESSOR WORTHEN.

16. Elliptic Functions. (Baker.) Second Semester, thirty-six exercises, [2]. PROFESSOR SHERMAN.

17. Projective Geometry. (Reye.) First Semester, thirty-six exercises, [2]. PROFESSOR SHERMAN.

18. Theory of Functions. (Harkness and Morley.) Second Semester, fifty-four exercises, [3]. PROFESSOR WORTHEN.

GRAPHICS

PROFESSOR HAZEN, ASSISTANT PROFESSOR MANN, AND MR. HOLDEN

1. Mechanical Drawing. An introductory course treating of the instruments used and the methods of using them. It includes the construction of engineering, mechanical, and architectural drawings, lettering and shading. First Semester, fifty-four exercises, [3].
PROFESSOR HAZEN AND MR. HOLDEN.

2. Mechanical Drawing. Tinting; elementary projection drawing; third angle projections and the construction of projections and sections from models and actual structures. Second Semester, fifty-four exercises, [3]. PROFESSOR HAZEN AND MR. HOLDEN.

3. Descriptive Geometry, as applied to third angle projections, to the development of surfaces, to the representation by drawings or projections of all geometrical magnitudes and to the intersections and tangencies of developable, double-curved and warped surfaces. First Semester, fifty-four exercises, [3]. PROFESSOR HAZEN.

4. Descriptive Geometry continued, and applied to Spherical Projections, Shades and Shadows, and Linear Perspective, Axonometric Projections, and Cavalier Perspective. Second Semester, fifty-four exercises, [3]. PROFESSOR HAZEN.

Courses 1, 2, 3, and 4, are required for the subsequent election of the Thayer Engineering Course.

(THAYER SCHOOL COURSES.)

5. Plotting of land, stadia and railroad surveys. First Semester, forty half-days. PROFESSORS HAZEN AND MANN.

This course constitutes a part of the Thayer School Courses 3, 4, and 5, and the half-days here given are included in the time allotted to those courses.

6. Graphical Statics. This includes the first principles of the subject and the determination of the stresses in roof and bridge trusses. Second Semester, twenty-four half-days. PROFESSOR HAZEN.

This course is a part of the Thayer School Course 11, and the half-days here given are included in the time allotted to that course.

CIVIL ENGINEERING

COLLEGE — PROFESSOR HAZEN
THAYER SCHOOL — PROFESSOR FLETCHER, ASSISTANT PROFESSOR MANN, AND MR. HOLDEN

2. Surveying with Level, Transit, and Compass; the adjustments, care, and proper methods of using these instruments. This course includes the methods of determining areas; laying out and dividing land; practice with the solar transit used in surveying the Public Lands; determination of true meridian by the sun and polar star: levelling for profiles, city surveying, plotting, and computing from field notes taken in connection with the above work. Second Semester, fifty-four exercises, [3]. PROFESSOR HAZEN.

(THAYER SCHOOL COURSES.)

3. Surveying. Theory, adjustments, and use of instruments, including the transit, theodolite, level, plane-table, solar transit, sextant,

aneroid barometer, and precise level; land surveying; topographical, hydrographical, and city surveying. Seventy-two half-days.

PROFESSOR MANN AND MR. HOLDEN.

4 Railroad Engineering. This course includes a reconnaisance, preliminary and location surveys, and estimates of a line from two to three miles long through a country as difficult as is ordinarily met with; also a study of the various forms of easement or transition curves. First Semester, fifty-five half-days. PROFESSOR HAZEN.

5. Higher Surveying. This course includes geodetical field-work and computations; the determination of latitude and time by the sextant and transit; azimuth by observations on the sun, Polaris, and some other star at elongation; also photography applied to surveying. Theory and applications of Least Squares. First Semester, fifty-six half-days. PROFESSOR MANN AND MR. HOLDEN.

6. Analytical Mechanics and general applications; Kinematics, Dynamics; Statics and Kinetics. Principles and working conditions, including friction and various applications. Elements of Mechanism. First and second Semesters, sixty half-days.

PROFESSOR FLETCHER.

7. Masonry Constructions. This course includes a study of building stones, brick and mortar; the building of stone, brick, and artificial stone masonry; of foundations on land, on piles, and under water; of masonry dams, retaining walls, bridge abutments and piers, culverts and arches; a course in Practical Mineralogy and the testing of limes and cements in the laboratory. First Semester, fifty half-days.

PROFESSORS FLETCHER AND HAZEN.

8. Stone-cutting, including the discussion and designing of arches and wing walls. Second Semester, sixteen half-days.

PROFESSOR HAZEN.

9. Mechanics of Materials, including the theory of beams, columns, and shafts; the methods of designing such elementary structures, and bridge and roof connections and joints. Second Semester, twenty-six half-days. PROFESSOR MANN.

10. Highway Engineering. This course considers the approved methods of constructing McAdam, Telford, gravel, and common earth roads; wood, stone, brick, and asphalt pavements for cities; and the proper methods of maintaining country roads and city pavements. Second Semester, seventeen half-days. PROFESSOR HAZEN.

11. Roofs and Bridges, including analytical and graphical determination of the stresses in roof and bridge trusses. Design of a simple roof and bridge. Second Semester, thirty-six half-days.

PROFESSORS HAZEN AND MANN.

12. Materials of Engineering, including wood, building stones, and the manufacture of iron and steel, the methods of testing all of these materials, and a study of the machines used in making these tests. Second Semester, twenty-six half-days.

PROFESSORS FLETCHER AND MANN.

PHYSICS

PROFESSOR NICHOLS, ASSISTANT PROFESSOR HULL, AND MESSRS. WILLARD AND WOODMAN

1. A study of the phenomena and simpler laws of General Mechanics, Sound, and a part of Heat. First Semester, fifty-four exercises, [3]. PROFESSOR NICHOLS AND MR. WOODMAN.

2. A continuation of Course 1, including the remaining chapters on Heat, and a study of the phenomena and simpler laws of Electricity, Magnetism, and Light. Second Semester, fifty-four exercises, [3].

PROFESSOR NICHOLS AND MR. WOODMAN.

Courses 1 and 2 provide a year's work in General Physics for beginners, and are required of all Sophomores in College. Instruction is given by lectures with an ample number of illustrative experiments, by recitations and examinations upon the lectures, and a text-book.

3. A course in Practical Physics, including practice in the use of instruments of precision and in the experimental verification and application of physical laws. In particular, the micrometer and vernier calipers, the spherometer, and the micrometer eyepiece are used for measuring length; the seconds clock, stop-watch, chronograph, and tuning fork for measuring time; spring, pan, and analytical balances, and inertia methods for measuring mass; the laws of the pendulum and of falling bodies are used to determine "g"; the laws of forces, moments, moments of inertia, centres of mass, Hooke's law, Boyle's and Charles' laws are verified; the densities of solids and liquids are

measured in a number of ways; the laws of vibrating strings, the measurement of the period, wave-length, and velocity of propagation of wave disturbances in different media are determined. Experiments are performed in the study of thermometers, in calorimetry, in the expansion, due to heat, of solids, liquids, and gases, and in the measurement of specific and latent heats.

While care in manipulation and accuracy of observation are required of the student, it is also essential that he understand thoroughly the principles involved in the experiments. Oral reviews and tests will be held at convenient intervals to determine to what extent these principles have become a part of the student's knowledge.

A laboratory manual (Ames and Bliss) will be used by the student; other texts will be consulted. First Semester, fifty-four exercises, [3]. PROFESSOR HULL AND MR. WILLARD.

4. A continuation of Course 3, extended into the study and experimental verification of the general laws of Electricity, Magnetism, and Light. The exercises include the mapping of electric and magnetic fields and lines of current-flow, the determination of the strength of magnetic fields, the measurement of the resistance of wires, liquids, batteries, and galvanometers, the measurement of electromotive force, capacity, temperature-coefficient of wires, the electrochemical and heat equivalent of an electric current, and the use of the D'Arsonval, Thomson, and tangent galvanometers.

In Light, the laws of photometers and mirrors, the measurement of the focal length and magnifying power of lenses and combinations of lenses, the index of refraction of glass, the spectra of a number of substances, the wave lengths of light and the simple laws of polarization and double refraction are determined or verified. Second Semester, fifty-four exercises, [3].

PROFESSOR HULL AND MR. WILLARD.

5. Analytic Mechanics. A course of lectures on Statics, including the composition and resolution of forces acting on a particle and on a rigid body; efficiency of machines, sensitiveness of a balance, equilibrium of flexible strings and the elementary theory of attractions; Kinematics; Dynamics, the motion of projectiles, collision of elastic bodies, simple harmonic motions and central orbits. Without sacrificing the rigidity of mathematical deductions, recourse will be had, where occasion permits, to experimental illustrations. Text: Wil-

liamson and Tarleton. Prerequisite, Differential and Integral Calculus, and Physics 1 and 2. First Semester, fifty-four exercises, [3].

PROFESSOR HULL.

6. Wave Motion, with application to physical phenomena; Thermodynamics, including the elementary kinetic theory of gases, and the theory of solutions. Lectures and text references. Prerequisites, Physics 1 to 5 inclusive, Differential and Integral Calculus. Second Semester, fifty-four exercises, [3].

PROFESSOR HULL.

7. Advanced Optics. This course will consist of lectures, experimental and theoretical, recitations, and laboratory work. The domain covered will be nearly that of Preston's Theory of Light. Laboratory exercises in the measurement of the refractive index and dispersive power of glass, of the wave length of light by the grating and interferometer, and of the phenomena of diffraction and polarization, will be performed by the students. Prerequisite, Differential and Integral Calculus and Physics 1 to 5. First Semester, fifty-four exercises, [3].

PROFESSOR HULL.

8. Electricity and Magnetism. A course of lectures and recitations on the theory of electricity and magnetism, following for the most part J. J. Thomson's text. Applications of the theory will be made by the students in the experimental study of electrometers, the inductive capacity of dielectrics, stream and equipotential lines, and galvanometers. Prerequisites, Physics 1 to 5 inclusive, Differential and Integral Calculus. Second Semester, fifty-four exercises, [3].

PROFESSOR HULL.

9. Advanced Laboratory Work in fundamental measurements of precision. Prerequisite, Courses 1 to 4 inclusive. First Semester, fifty-four exercises, [3]. PROFESSOR NICHOLS.

10. An Advanced Laboratory course in electrical measurements. Prerequisite, Courses 1 to 4 inclusive. Second Semester, fifty-four exercises, [3].

PROFESSOR NICHOLS.

11. A seminary for the discussion of the current periodical literature in Physics: intended for advanced students who will confer with the department before electing the course. First Semester, thirty-six exercises, [2].

PROFESSOR NICHOLS.

12. A seminary for the discussion of the current periodical literature in Physics. A continuation of Course 11. Second Semester, thirty-six exercises, [2].

PROFESSOR NICHOLS.

13 and 14. Courses in investigation and research problems in Physics. First and Second Semesters.

PROFESSORS NICHOLS AND HULL.

Of the foregoing, Courses 1 to 5 may be elected by undergraduate students only, 6 to 10 are open both to undergraduates and graduates, 11 to 14 are open only to graduate students.

ASTRONOMY

PROFESSOR E. B. FROST

2. General Astronomy. A recitation course in general descriptive Astronomy, supplemented by occasional lectures, and by frequent visits to the Observatory. The previous study of elective courses in mathematics is not necessary, but a knowledge of Analytic Geometry is desirable. (Young's General Astronomy, Revised Edition.) Second Semester, fifty-four exercises, [3]. PROFESSOR FROST.

CHEMISTRY

PROFESSOR BARTLETT, DR. C. H. RICHARDSON, DR. BOLSER, AND MR. L. B. RICHARDSON

2. Chemistry of the Non-Metallic Elements. Illustrated lectures with recitations and laboratory work. In this course special emphasis is laid upon the General Principles of Chemistry, the Notation in its experimental and arithmetical meaning, upon Nomenclature and Terminology in their applications. Some familiarity with the properties of chemical substances and with processes is acquired. A beginner's course open to students who have had no chemistry in their preparation for College. Second Semester, fifty-four exercises, one or two hours each, [3].

PROFESSOR BARTLETT AND MR. L. B. RICHARDSON.

3, 4. A systematic course, reviewing the Non-Metallic Elements rapidly, developing the more essential theories, and treating the Metallic Elements and their compounds, by lectures, recitations (Newth's Inorganic Chemistry), and by Qualitative Analysis in the laboratory (A. A. Noyes's Qualitative Analysis). This course for completeness should be pursued through the year. It divides the time about equally between one-hour recitations and two-hour laboratory exercises. Open to Seniors, Juniors, and Sophomores in all the courses who have had Course 2, or its equivalent, and college preparation in Physics, or who having had Course 2 are pursuing Physics 1. First and Second Semesters, fifty-four exercises in each, one or two hours, [3].

First Semester, PROFESSOR BARTLETT, DR. BOLSER, AND MR. L. B. RICHARDSON.

Second Semester, DR. C. H. RICHARDSON AND DR. BOLSER.

5. The Carbon Compounds.

(a) Recitations and lectures with regular written reviews. (Remsen's Organic Chemistry.)

(b) Laboratory Work based on standard manuals. Reactions and preparations.

Course 5 (a) and (b) is elected as a single course, and is about equally divided between one-hour recitations and two-hour laboratory exercises. Open to students who have completed Courses 3 and 4. First Semester, fifty-four exercises, [3]. DR. RICHARDSON.

6. The Carbon Compounds. This course is intended to supplement Course 5, and will deal primarily with the aromatic series. In the laboratory a few classical syntheses of important compounds will be studied. Parallel with the laboratory work, recitations and lectures will be held having as subject matter the structural composition of representative members of various series of organic compounds and the theoretical questions to which the study of these compounds gives rise. Open only to students who have completed Course 5. Second Semester, fifty-four exercises, [3].

DR. BOLSER.

7. Quantitative Analysis. A course in the laboratory arranged from standard texts and reference books. Gravimetric and Volumetric methods with special applications. Open to students who have completed Courses 3, 4. First Semester, seventy-two exercises, two hours each, [4]. PROFESSOR BARTLETT.

8 *a*. Quantitative Analysis continued. A continuation and advancement of Course 7. Open only to students who have completed Course 7. Second Semester, seventy-two exercises, two hours each, [4].
PROFESSOR BARTLETT.

8 *b*. Quantitative Analysis. A course corresponding to Course 7, and open only to students who have taken Course 5 in the First Semester. Second Semester, seventy-two exercises, two hours each, [4].
PROFESSOR BARTLETT.

9, 10. Physiological and Medical Chemistry. A course with laboratory, lecture and recitation work giving special attention to the carbohydrates and albumens, to Toxicology and the applications of Chemistry to Medicine. First Semester and until the recess in Second Semester, [3]. PROFESSOR BARTLETT.

Open only to students in the second year of the Medical School.

11. Economic Chemistry. A course of ten lectures before the students of the Tuck School upon the economic relations of Chemistry. First Semester, daily for two weeks. PROFESSOR BARTLETT.

13, 14. A course in the preparation of some of the more complex organic compounds and the theory of their structure. Original research. Open only to graduate students and given during the year 1901–1902. DR. BOLSER.

Required for the Thayer School, Courses 2, 3, 4; preliminary to the study of medicine, Courses 2, 3, 4, 5, 8 b; for a well proportioned course and the minimum qualification for teaching, Courses 2, 3, 4, 5, 8 b; for honors, graduate study or other specialization in Chemistry, Courses 2, 3, 4, 5, 6, 7, 8 a.
Courses 9 and 10 are for students in second year of Medical School only; Course 11 is given only in the year 1901–1902; Courses 13 and 14 are for graduate students only.

BIOLOGY

ZOÖLOGY AND BOTANY

PROFESSOR PATTEN, DR. GEROULD, AND MR. LYMAN

The courses in Zoölogy and Botany are designed for three classes of students, namely: (*a*) for those who wish to know something of the elementary principles and aims of the science; (*b*) for those who intend to study medicine; and (*c*) for those who expect to teach the

natural sciences, or who for any reason are interested in the subject and wish to give it special attention.

Courses 1, 2, 3, 4, 5, 8, and 10 are elementary in character, and are intended for those who desire a comprehensive view of the subject. Those who intend to study medicine will find the following courses of especial value as a preparation for the study of human anatomy, physiology, and bacteriology: namely, Biology 1, 2, 3, 4, 5, 6, 7, and 9. Courses 1, 2, 6, and 8 will be useful to students of psychology.

While the above named courses have been modelled to meet the requirements of the general student and of those who have a medical career in view, the symmetry and continuity of the entire series of courses have been maintained in order to meet the requirements of those who expect to teach the natural sciences or to become professional biologists.

Biology 1 and 2 are continuous and dependent courses in Elementary Biology. They are designed for those students who desire some knowledge of the fundamental facts and principles of animal and plant life and of the modern methods of solving biological problems.

Biology 1 should not be elected unless the student intends to take Biology 2. Biology 2 is open to only those who have completed the required work in Biology 1. Biology 1 and 2 are prerequisites for all other courses in Zoölogy and Botany, except Biology 8.

1. Elementary Biology (Botany). This course consists of one lecture and two laboratory exercises a week, and gives a general survey of the field of Botany. The lectures treat of some of the fundamental principles of Biology common to both plants and animals, and give a comprehensive review of the physiology, morphology and reproduction of plants, special attention being paid to the lower plants, and to the relation of fungi and bacteria to fermentation, putrefaction and disease. The laboratory work involves the constant use of the compound microscope in the examination of some of the principal types throughout the plant kingdom. (Coulter's Plants.) First Semester, fifty-four two-hour exercises, [3]. MR. LYMAN.

2. Elementary Biology (Zoölogy.) An introduction to the study of animal life. A series of typical animals are studied in the laboratory. Their structure, the action of their organs and their development are made the subjects of observation, comparison, analysis and interpreta-

tion for the purpose of gaining insight into the elementary principles of the science. Thus the differences between animals and plants, the evolution and interrelation of animal forms, the phenomena which lie at the basis of nutrition, growth and heredity, the interaction which exists between animals and their environment etc. are discussed in the lectures and illustrated in the laboratory. (T. J. Parker's Elementary Biology, Jordan and Kellogg's Animal Life.) Second Semester, fifty-four two-hour exercises, [3]. DR. GEROULD.

3. Invertebrate Zoölogy. This course treats of the structure, activities, and life-history of invertebrate animals, and the problems that naturally arise from their consideration. Examples of the various groups of invertebrates are studied in the laboratory for the purpose of understanding some of the relationships which exist among them and for the preparation for other more advanced branches of biological science which the study of their embryology, histology and physiology will give. The maturation, fertilization and cleavage of the ovum, the formation of germ layers, larval development, the origin, structure and function of tissues and organs are made the subjects of observation and discussion. (Parker and Haswell's Manual of Zoölogy, Shipley and MacBride's Elementary Zoölogy.) First Semester, fifty-four two-hour exercises, [3].

[Offered in 1902–1903.] DR. GEROULD.

4. Comparative Anatomy of Vertebrates. The outlines of the classification of vertebrates, the homologies and the histological structure of vertebrate organs, the theories of the structure of the vertebrate head, and of the derivation of the Chordata will be discussed. The object of the course is to illustrate the evolution of the vertebrate type of animals from the lowest fishes and related forms, up to man, and to discuss some of the conditions that are coincident with, or determine, the progressive modification of various vertebrate organs. The course is intended for those especially interested in zoölogy, or for those who wish to lay a broad foundation for the study of human anatomy, physiology, or comparative psychology. (Wiedersheim's Comparative Anatomy of Vertebrates, Gray's Anatomy, and the embryological text-books of Minot, Hertwig-Mark, etc.) Second Semester, fifty-four two-hour exercises, [3].

PROFESSOR PATTEN.

5. Cryptogamic Botany. This course is designed for those intending to study medicine or to teach, or as a foundation for more special

work in Botany. As extended a survey as possible is taken of the morphology and development of the various groups of Cryptogams, with special reference to their relationships and to those forms that are of pathogenic and economic interest. The general methods of collection and preservation of Cryptogams are taken up, and instruction is given in the making of various kinds of artificial cultures and of culture media. First Semester, fifty-four two-hour exercises, [3].

MR. LYMAN.

6. Comparative Anatomy and Physiology of the Nervous System and Sense Organs. A course of lectures and laboratory work illustrating the structure and evolution of the nervous system and sense organs, with special reference to their physiology. A desirable course for students of medicine or psychology. Open to students who have taken Courses 1 and 2. Second Semester, fifty-four exercises, [3].

DR. GEROULD.

7. Cytology. This course treats of the structure and activities of animal and plant cells. The structure of protoplasm, its physical and chemical properties, the theories of heredity, cell-division, and the effects of nutrition, stimulation, and exhaustion of cells are discussed. First Semester, fifty-four exercises, [3]. PROFESSOR PATTEN.

8. *The Principles of Biology:* A course of lectures on the structure and activities of plants and animals, with a discussion of the principal phenomena of nutrition, growth, reproduction, heredity, variations, natural selection and evolution. The course is designed especially for those who desire a brief statement of the principles and aims of the science. Second Semester, thirty-six exercises, [2].

PROFESSOR PATTEN.

9. Vertebrate Embryology. A study of the Embryology of the frog, the chick, and a mammal. Open only to those who have done satisfactory work in Biology 1, 2, and 4. (Minot's Human Embryology, Hertwig's Embryology of Vertebrates, Marshall's Vertebrate Embryology.) First Semester, seventy-two two-hour exercises, [4].

DR. GEROULD.

10. Phanerogamic Botany. This course treats of the morphology and development of the flowering plants, embracing the main topics of their structure, functions and habits, together with their classification, distribution, adaptations and uses. It is designed to continue the work of Biology 5, and to complete the survey of the plant kingdom.

Opportunity is given for the preparation of an herbarium illustrating some definite problem in Ecology. Second Semester, fifty-four two-hour exercises, [3]. MR. LYMAN.

12. Vegetable Histology and Physiology. A microscopic examination of the structure of the higher plants, and the development of tissues and organs, is combined with an experimental study of the properties of protoplasm and its relation to external stimuli, nutrition, growth, etc. The course must be preceded by Biology 10, or its equivalent, and some knowledge of Physics and Chemistry is also necessary. It is designed especially for those who expect to teach, or to do special work in botanical lines. Second Semester, fifty-four two-hour exercises, [3]. MR. LYMAN.

HUMAN ANATOMY AND PHYSIOLOGY

(MEDICAL SCHOOL COURSES)

HUMAN ANATOMY

PROFESSOR G. D. FROST

1 and 2. Osteology, arthrology and a preliminary study of the viscera. A course of recitations and demonstrations. Preparations from the Anatomical Museum are given out for study. Opportunity is offered to follow the dissections of the human body made by the men of the second and third years. The written examinations covering the work in osteology and arthrology, if satisfactory, are final.

(Gray's Anatomy, last edition.) First and Second Semesters, seventy-two exercises.

PHYSIOLOGY

PROFESSOR W. T. SMITH AND DR. FRANZ

1. A course of lectures and quizzes upon the essential facts of Physiology, bringing them into relation as far as possible with future work. First Semester, fifty-four exercises, [3].

PROFESSOR SMITH.

2. A laboratory course upon the physiology of nerve and muscle, and of the blood and circulation. Each student will do the classic experiments in these subjects for himself. Text-books: Kirke (Blak-

iston's edition). For reference, American Text Book of Physiology, Schaefer, Waller, Foster. Second Semester, fifty-four exercises, [3].

DR. FRANZ.

The Physiological Laboratory has recently been equipped with the latest apparatus. A sufficient number of complete sets has been provided to furnish one to every two students. These include kymograph, induction coil and stimulating apparatus, tambours, apparatus to illustrate the circulation, etc.

MEDICAL PHYSICS

DR. FRANZ

1. A laboratory course with occasional informal lectures and recitations to correlate the work done in the laboratory. The topics included will be those essential to a proper understanding of physiology and allied subjects. (Daniell's Physics for Students of Medicine.) First Semester, thirty-six exercises, [2].

GEOLOGY

PROFESSOR HITCHCOCK AND DR. C. H. RICHARDSON

2. (*a*) Dynamical Geology. A study of atmospheric, aqueous, igneous, and organic agencies.

(*b*) Structural Geology. A study of the general form and structure of the earth, its sedimentary, igneous, and metamorphic rocks, and the effects of erosion upon topography.

A knowledge of Chemistry will be of great advantage. The course is not a lecture course. Le Conte's Elements of Geology will be used. Second Semester, thirty-six exercises, [2]. DR. RICHARDSON.

3. Organic Geology. This commences with a study of the sea shore, marine deposits, and the organisms specially concerned in the formation of pelagic ooze, limestones, coral reefs and islands, organic agencies engaged in producing geological changes; Paleontology, Historic Geology, growth of continents, and the origin of the present distribution of animals and plants. Lectures and recitations, with references to standard treatises. First Semester, fifty-four exercises, [3].

PROFESSOR HITCHCOCK.

Open only to those who have taken Course 2. A knowledge of Botany and Zoölogy is important for those who take Courses 3 and 5.

5. Surface Geology. A course of lectures and field exercises; for the latter, the facilities are remarkably favorable in the vicinity of the College. The topic is largely the Age of Ice, together with the peculiar phenomena attending the melting of the ice. The life of that age is also considered, both as to its distribution and to its reference to the antiquity and early history of man. First Semester, fifty-four exercises, [3]. PROFESSOR HITCHCOCK.

Open only to those who have taken Course 2.

Graduate students and candidates for the degree of Ph.D. will engage in field-work in areas specially assigned, and apply the principles of Petrography and Paleontology to specimens of their own collection.

They will study the Reports of the several States, the larger manuals of Geikie and Dana, and special treatises, according to the particular subject assigned.

MINERALOGY

DR. C. H. RICHARDSON

2. Chemical Mineralogy. This is a systematic course in the detection of economic minerals by blowpipe reactions and confirmatory chemical tests. The origin, differences, economic uses, and annual output of the various ores will be emphasized. Some attention will also be given to the essential and accessory constituents of building materials. (Moses and Parson's Mineralogy and Blowpipe Analysis.) Second Semester, fifty-four exercises, [3].

Open only to those who have taken one course in Qualitative Analysis.

3. Chemical Mineralogy and Lithology. This is an advanced course in the study of the silicates, ores of the precious metals, and various gems. It enables the student to recognize at sight both the common and economic rocks. First Semester, fifty-four exercises, [3].

Open only to those who have taken Course 2.

5. Physical Mineralogy. This course involves both text-book and laboratory work. The student will make a careful study of crystal models and natural crystals, and measure their angles with goniometers. (Williams' Crystallography.) First Semester, fifty-four exercises, [3].

7. Applied Mineralogy and Lithology. This course is designed especially for engineers and architects, and deals only with economic material. Special emphasis will be given to the methods of identification of the most useful minerals and building stones. The resistance of granites, marbles, sandstones, etc., to abrasion and compression, and the detection of injurious accessory constituents will be considered. First Semester, eighteen exercises, [3].

Open only to Thayer School students.

8. Economic Mineralogy. The design of this course is to illustrate the modes of occurrences in nature of minerals and ores which have economic importance, to show the localities in which they are obtained, the processes used in their extraction and treatment, and their application to human arts and industries. They may be conveniently classified into five groups: — building stones, (the quarry products); carbon minerals, including coals, petroleum, etc.; ores and products of the precious metals; ores and products of the useful metals; glass, sands, and the ores of the alkaline earths and alkalies. Second Semester, fifty-four exercises, [3].

HISTORY

PROFESSOR FOSTER, ASSISTANT PROFESSOR ABBOTT, AND MESSRS. BECKER AND YOUNG

The courses in History are intended for two classes of students: (1) those desiring an outline of historical development from ancient to modern times. To such men are offered Courses 1–5. Courses 1 and 2, required of all students, give such training as is essential for the use of ordinary historical material. Courses 3–5 call for the writing of reports or essays to combine results and put into more definite practice the training previously given. (2) For students having some especial interest in the particular period covered, or desiring training to teach History, Courses 6, 8, and 10 are designed. These courses are devoted to a more critical study of selected topics in the period already covered in outline, and to the presentation of results in the form of reports or theses.

1. Mediæval and Modern European History. Courses numbered 1 and 2 are treated as a continuous year's course in European History (exclusive of English) from the Teutonic Migrations to the close of the Seven Years' War, (375–1763). Text-books: Putzger, *Historischer Schul-Atlas;* Emerton, *Introduction to the Middle Ages*, and *Mediæval*

Europe. Or, in place of the last, the student may select *one* of the following: Adams, *Civilization during the Middle Ages;* Duruy, *Middle Ages;* Thatcher and Schwill, *Europe in the Middle Ages.* The method of instruction is by lectures, with recitations on lectures, text-book, and additional reading. For this purpose, references are given in lectures to such books in the department library as Adams, *Civilization during the Middle Ages;* Bryce, *Holy Roman Empire;* Einhard, *Life of Charlemagne;* Gibbon, *Decline and Fall of the Roman Empire;* Guizot, *History of Civilization in Europe;* Hodgkin, *Theodoric;* Kingsley, *Roman and Teuton;* Kitchin, *History of France;* Milman, *History of Latin Christianity.* This part of the work is tested also by individual conferences on note-books, and in the division and semester examination. A minimum amount of collateral reading is required of all, but it is hoped that the student's interest will lead him into independent reading beyond any requirements. First Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT, MESSRS. BECKER AND YOUNG.

2. Mediæval and Modern European History (continued). Text-books: Seebohm, *Era of the Protestant Revolution;* Wakeman, *Ascendancy of France*, 1598–1715; Hassall, *Balance of Power*, 1715–1789. Additional reading in: Häusser, *Period of the Reformation*, [or Johnson, *Europe in the Sixteenth Century*, or Fisher, *Reformation*, or Köstlin, *Luther*]; Lodge, *Richelieu;* Hassall, *Louis XIV;* Longman, *Frederick the Great.* Methods of instruction as in Course 1. Second Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT, MESSRS. BECKER AND YOUNG.

3. The History of England to the Sixteenth Century. This course will consist primarily of the political history of the English nation, with such reference as is necessary to constitutional, economic, and intellectual development. Lectures, recitations, and reports. Required for admission to Course 4. First Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT.

4. The History of England and the British Empire from the Sixteenth Century. This is a continuation of Course 3, and will include, in addition to the history of Great Britain, the development of the British Empire and the history of its colonies and dependencies. Open to those who have had Course 3. Lectures, recitations, and reports. Second Semester, fifty-four exercises, [3].

PROFESSOR ABBOTT.

5. American Colonial History to 1783. This course is intended to trace the beginnings of the American Nation rather than the details of the history of the individual colonies. Emphasis is therefore laid on the European inheritance brought to this country by the colonists, their development of American institutions in the new environment, the expansion of population, the struggle between French and English for North America, the underlying causes of the Revolution, the growth of independence and union. A considerable amount of collateral reading is called for, in such books as Doyle, Fiske, Lodge, *Colonies*, Parkman, and Winsor. The student is also directed in the use of contemporary sources, and must base at least one written report upon them. Students who have not had a good course in English History in the secondary school are advised to precede this course by Courses 3 and 4. Lectures, recitations, and reports. Channing and Hart, *Guide to the Study of American History;* Thwaites, *Colonies;* Hart, *Formation of the Union.* First Semester, fifty-four exercises, [3].

PROFESSOR FOSTER [MR. BECKER].

6. Era of the Renaissance and Reformation. This course traces the transformation of Mediæval into Modern Europe (1300–1600), from the age of Dante to that of Shakespeare and Calvin, and includes such topics as the following: The significant characteristics of the Middle Ages contrasted with those of modern times; rise of individual, city, national life; dismemberment of empire and papacy; early attempts at reform; the Renaissance; the Protestant Revolution, the Roman Catholic Reaction, the formation and organization of modern States. This course is more advanced than the earlier narrative courses (1–5), is intended for those especially interested in the period or desiring especial training in the study or teaching of history, and is open only to students who have shown a good knowledge of this period in Courses 1 and 2. No text-book will be used. About one-half the time will be taken for lectures; the remainder for quizzes or discussions of general and assigned topics. Each student will be expected to read a considerable amount in the reserved books, and show the results in a special report on a book and in three essays, which may be read in class. Second Semester, fifty-four exercises, [3].

[Not offered in 1901–1902.] PROFESSOR FOSTER.

6 a. The Renaissance and Reformation. This course aims to trace the transformation of Mediæval Europe, as it existed in the thirteenth century, into Modern Europe, as it existed in the sixteenth.

Special emphasis will be placed upon the condition of Europe in the thirteenth century, and upon the disintegrating forces of the fourteenth and fifteenth centuries, as preparatory to the Renaissance and Reformation proper. Only those who have had advanced work in European History and can read German and French are advised to elect this course. No text-book. Lectures, readings, and reports. Second Semester, fifty-four exercises, [3]. MR. BECKER.

8. Political and Military History of Europe from 1618 to 1763. This course will include some study of the diplomacy as well as the political and military history of the seventeenth and eighteenth centuries and will be based largely on the material contained in the Thayer collection of military art and history in the library. Lectures, recitations, and reports. Second Semester, thirty-six exercises, [2].
[Not offered in 1901–1902.] PROFESSOR ABBOTT.

10. The Puritan State in Geneva, England, and Massachusetts Bay. This is a study, based mainly on contemporary documents, of the Puritan experiment in government (1) in Geneva, under Calvin's influence, 1536–64; (2) in England in the sixteenth and seventeenth centuries; and (3) in Massachusetts Bay, 1630–1691. It is an advanced course intended for those who wish to do special work in History, who can read French and German, and who have taken History 1–6, or a satisfactory equivalent. Lectures, theses, and discussions. Second Semester, fifty-four exercises, [3].
[Not offered in 1901–1902.] PROFESSOR FOSTER.

10a. The Territorial Expansion of the United States. This course aims: (1) To trace the territorial growth of the United States from 1606 to 1900. In this part of the course emphasis will be laid upon the forces which have conditioned the steady expansion of the English Colonies on the Atlantic coast into the present territorial empire of the United States. (2) To trace the history of the policy of the United States in respect to the government of its dependent territory from 1787 to 1900. Only those who have had advanced work in American Colonial, or Modern American History, are advised to elect this course. No text-book. Lectures, readings, and reports. Second Semester, fifty-four exercises, [3]. MR. BECKER.

In 1901–1902 an opportunity for graduate work in the Reformation Era, American Colonial History and English History will be offered to qualified students who have taken an equivalent for Courses 1–5.

MODERN HISTORY

PROFESSOR J. H. SMITH

1. The Political History of Europe from the French Revolution to the Treaty of Berlin (1789–1878). The course will open with lectures on the characteristics of the chief European peoples, the state of Europe on the eve of the French Revolution, and the early course of that movement. From this point the core of the work will be the mastery of a text-book, supplemented with formal lectures, comments, recommended and required readings, essays, debates, and conferences. Due attention will be given to physical and political geography. Special stress will be laid on the vital process by which the Europe of a hundred years ago has become the Europe of to-day. First Semester, fifty-four exercises, [3].

2. The Political History of the United States from the close of the Revolutionary War to the close of the Reconstruction period (1783 to 1877). This course will be conducted in the same general manner as the one just described, except that still more attention will be paid to collateral reading and original sources. Second Semester, fifty-four exercises, [3].

ECONOMICS

ASSISTANT PROFESSOR DIXON AND DR. WICKER

It is recommended that courses be taken in the order of their numbers. Courses 3, 4, 6, and 8 are reserved for Seniors.

1. Elementary Economics. The analysis of modern industrial society and the derivation of economic laws. Special attention will be paid to Economic Theory. Recitations with occasional lectures. (Bullock's Introduction to the Study of Economics.) First Semester, fifty-four exercises, [3]. DR. WICKER.

2. English Economic History. A study of industrial development in England from the eleventh century to the present time which aims to show the origin of modern industrial rights and customs as a basis for an intelligent examination of present problems. Lectures and recitations. (Warner's Landmarks in English Industrial History.) Second Semester, fifty-four exercises, [3]. PROFESSOR DIXON.

3. American Industrial Development. Brief treatment of the earlier period of national development followed by a more careful study of the history since the Civil War. This will include the consideration of agricultural conditions and problems both North and South; development of American commerce; tariff history and the reciprocity movement; special study of some of the more important products such as iron, coal, wheat, and cotton; the development of the great manufacturing industries, the growth of corporations, trusts, and monopolies; and a consideration of the relations of labor and capital as influencing industrial progress. Lectures and recitations. (Levasseur's American Workman.) First Semester, fifty-four exercises, [3].

PROFESSOR DIXON.

4. History and Theory of Money and Credit. Special attention will be devoted to the financial legislation of the United States. The practical problems before the country will be briefly considered. Modern currency standards in operation in foreign countries. The relation of banks and credit instruments to current money problems. Recitations with occasional lectures. (White's Money and Banking and The Report of the Indianapolis Monetary Commission.) Second Semester, fifty-four exercises, [3]. DR. WICKER.

6. Advanced Economic Theory. A study of the development of economic theory. Assigned readings in the works of the Classical School, especially Smith, Ricardo, and Mill, and in the writings of the representatives of modern development, Marshall, Boehm-Bawerk, Patten, Clark, and others. Emphasis will be laid on modern Economic Theory. (Ingram's History of Political Economy, Cannan's Production and Distribution.) Second Semester, thirty-six exercises, [2].

DR. WICKER.

Admission to this course is by special permission of the instructor.

8. History and Theory of Transportation. The history of railroad development in the United States and foreign countries with a study of the great railroad systems of the world. Theories of rates, combination, consolidation, community of ownership, and government ownership and control, both here and abroad, including a study of the Interstate Commerce Commission and State Commissions. Water Transportation, — lake, river, canal and ocean, — its history and pre-

sent condition, and its position as an aid to and competitor of railroads. Lectures and recitations. Second Semester, fifty-four exercises, [3].

PROFESSOR DIXON.

For additional courses in Economics, see Announcement of the Amos Tuck School of Administration and Finance.

POLITICAL SCIENCE

PROFESSOR COLBY AND MR. ALLEN

2. American Political Institutions. A concise survey of the origin, development, and practical working of American political institutions. This course will include an historical review of the formation of the Federal Constitution and a study of that Constitution as a body of living principles; the working relations of the Federal and State governments; the nature of the American State and the working of its government, and a brief examination of different forms of local and municipal governments. The general aim will be not only to prepare students by adequate information for the proper discharge of the duties of citizenship but also to stimulate in them a thoughtful patriotism and quicken their sense of civic responsibility. Recitations and lectures. Second Semester, thirty-six exercises, [2]. MR. ALLEN.

3. American Constitutional Law. This course is designed to give students a knowledge of the general principles of the Constitutional Law of the United States, both federal and statal. Particular attention is given to the origin and development of the written constitution in America, to the formation of the early State constitutions, and the various sources of the Federal Constitution and to its text. Recitations and lectures. (Cooley's Principles of Constitutional Law.) First Semester, thirty-six exercises, four hours a week for the first nine weeks. PROFESSOR COLBY.

4. American Constitutional Law. (Advanced course, open only to students who have taken Course 3.) This course is intended for students who expect to enter the profession of law, and involves a critical examination of such parts of the Constitution as are not studied in Course 3. Recitations and lectures, supplemented by examination of leading cases. (Cooley's Principles of Constitutional Law and Boyd's Cases on Constitutional Law.) Second Semester, twenty-seven exercises for the last nine weeks, [3].

PROFESSOR COLBY.

5. Elementary Law (Outlines of Jurisprudence). This course is intended for students who expect to enter the profession of law, and is planned to give a general view of the whole field of the law and an introduction to its terminology and its fundamental ideas. It consists of (*a*) an historical survey of the Roman Law and of the English Common Law, (*b*) a critical examination of the fundamental ideas in both these systems of law, and (*c*) a study of Robinson's Elements of American Jurisprudence. Recitations and lectures. First Semester, fifty-four exercises, [3]. PROFESSOR COLBY AND MR. ALLEN.

6. Elementary Law. A continuation of Course 5, including the remaining chapters of Robinson's Elements of American Jurisprudence and Wambaugh's Study of Cases. Recitations and lectures. Second Semester, fifty-four exercises, [3].

PROFESSOR COLBY AND MR. ALLEN.

Courses 5 and 6 are directly preparatory for the Law School. They will afford any student pursuing them with serious purpose opportunity to so qualify himself by knowledge of legal ideas and terms, the main facts of legal history, and the method of legal reasoning, for the work of the Law School, that he may profit immediately from its courses of lectures and its study of cases. Any student electing Course 5 will be expected to elect Course 6.

8. International Law. This course is historical and explanatory of present international relations. It treats of the origin and development of the rules that generally govern the intercourse of modern civilized states, and their recent modifications by treaty. Recitations and lectures. (Lawrence's International Law.) Second Semester, thirty-six exercises, for the last nine weeks, [4].

PROFESSOR COLBY.

10. Comparative Politics. A study of The State, its nature and origin, form, functions, and ends, with a critical comparison of the present constitutions and the actual working of the governments of England, France, Germany, and the United States. (Wilson's The State; Lowell's Governments and Political Parties of Continental Europe.) Second Semester, thirty-six exercises, [2].

This course may be withdrawn for 1901–1902.

For further courses in Political Science, see Tuck School.

SOCIOLOGY

PROFESSOR WELLS

2. Anthropology and Ethnology. This is an introductory course and should be taken by those who propose to take subsequent courses in Sociology. It is a study of man as the physical unit of society. It considers man's place in nature and the races and varieties of mankind. The method of treatment is both historical and descriptive. Each student is required to provide himself with a good atlas and to make constant use of the library for notes and reports. Lectures and recitations. Second Semester, fifty-four exercises, [3].

3. Anthropological Geography. This considers man in relation to his physical environment, as determining his dispersal over the face of the earth, his mode of life, and the density of population. It traces the bearings of the natural surroundings upon man's physical and mental characteristics, and follows this fundamental and necessary adjustment through the history of the family and the State and in the evolution of the forms of economic life. First Semester, fifty-four exercises, [3].

In 1902–1903 Course 3 will be given in Second Semester and will be open only to those who have taken present Courses 2 and 4.

4. Social Statistics. This course begins with a study of Demography or the social groups given by Statistics. It considers the classification of the population in modern society due to physical or social causes. It then inquires into the results of Vital Statistics, such as the mortality from different diseases, birth and marriage rates under varying climatic and social conditions. Finally, the above data are brought into connection with Crime, Pauperism, and Social Reform. It is a study of the Biological side of social life. Second Semester, fifty-four exercises, [3].

In 1902-1903 Course 4 will be given in First Semester.

5. Constructive Sociology. This is an attempt to formulate the Laws of social evolution and social organization. It is an analysis of phenomena that are regarded as at once physical and mental, but whose ultimate explanation must be in terms of Social Psychology.

The end constantly in view is a true interpretation of social facts, in the concrete terms of science. First Semester, fifty-four exercises, [3]. [1902–1903.]

Open only to those who have taken Sociology 2 (Ethnology), and have received the previous consent of the instructor.

For further courses in Sociology, see Tuck School.

PHILOSOPHY

PROFESSOR CAMPBELL AND ASSISTANT PROFESSOR HORNE

1. Psychology. Elementary Course. Outlines of the science. Description and explanation of the phenomena of the mental life. Recitations and readings. (James' Psychology, Briefer Course.) First Semester, fifty-four exercises, [3]. PROFESSOR HORNE.

2. Introductory Logic. A study of the outlines of deductive and inductive reasoning with especial reference to fallacies, argumentation, the nature of thought, and the logic of certainty and probability. Recitations and readings. (Creighton's Introductory Logic, and Hibben's Inductive Logic.) Second Semester, fifty-four exercises, [3]. PROFESSOR HORNE.

Juniors are required to elect either Course 1 or 2.

3. Advanced Logic. The Science of Thought. This course considers not the conditions under which valid thinking is possible, but the nature of thinking itself. Recitations and readings. (Everett's Science of Thought.) First Semester, thirty-six exercises, [2]. PROFESSOR HORNE.

4. Advanced Psychology. Philosophy of the mental life, physiological and comparative; animal intelligence, heredity; mental pathology; hypnotism and mind reading; freedom of will; nature and immortality of the soul. Students choose special lines for independent study. Reports presented to class for discussion. The work in Mental Pathology and Hypnotism affords important aid in preparation for legal and medical studies. Recitations, lectures, and readings. (Wundt's Human and Animal Psychology.) Second Semester, fifty-four exercises, [3]. PROFESSOR HORNE.

This course must be preceded by Course 1. Students will be assisted in the physiological problems of Psychology by taking Biology 6 before the Elementary Course, and Biology 8 before the Advanced Course.

5. Æsthetics. Philosophy of the Fine Arts. Historical development of Architecture, Sculpture, Painting, Music, and Poetry. Recitations and lectures with photographic and stereopticon illustrations. Students choose special topics for theses to be presented to the class. (Kedney, Hegel's Æsthetics.) First Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

Further study of Architecture, Sculpture, and Vase Painting under Greek 15 and 16, — of Roman building and Wall-Painting under Latin 19 and 20.

6. Introduction to Philosophy. A general survey of the field of philosophy, with especial reference to the definition of its problem, its spirit, its method, and its relation to the various sciences; the doctrine of nature and of mind, of knowledge and of being. Recitations and readings. (Ladd's Introduction to Philosophy.) Second Semester, fifty-four exercises, [3]. PROFESSOR HORNE.

7. History of Philosophy. Ancient Period. A study of the progressive steps in constructive thought from the earliest times to the birth of accredited Science and Philosophy at the close of the Socratic era. The History of Schools of thinking is treated in its concrete relation to national events, and involves an outline of the Philosophy of History. Lectures, recitations, and readings. First Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

8. Historical and Theoretical Ethics. It is the purpose of Ethics to establish the common foundation of the Moral, Social, and Political Sciences. The Historical exhibits the progressive theories until the founding of Modern Ethics. The Theoretical is an exposition of the principles of man's moral nature, and of the laws of its development in terms of environing conditions. Lectures, discussions, and readings. Second Semester, thirty-six exercises, [2].

PROFESSOR CAMPBELL.

Open to Juniors and also to Seniors who did not elect Ethics in Junior year.

9. Practical Ethics. Man as an ethical unit in practical affairs. Conscience and Will as related to responsibility. The law of veracity in business life. Rights of self-government and of suffrage. Morality in its relations to custom, civil law, and fine art. A study of justice in the social medium. Scientific classification of duties as personal,

social, civil, and theistic. Lectures, recitations, readings, discussions. First Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

Open to all Seniors.

10. Modern Philosophy. History of the national developments of philosophic thinking which have followed the Reformation, in Germany, Italy, France, Great Britain, and America; rise of great personal representatives of Modern Thought; also tendencies and Schools of Philosophy. Second Semester, thirty-six exercises, [2].
PROFESSOR CAMPBELL.

11. Early Greek Philosophy. A study in the original Greek of the teachings (extant) of the Pre-Socratic philosophers. Translations and discussions. (Fairbanks' First Philosophers of Greece.) First Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

Open only to those who are acquainted with the Greek language. A study of the later Greek philosophy is given under Greek 10.

12. Philosophy of Religion. The unitary in ethnic religions; the Greek pantheon as a system of Ethics; validation of theistic ideas; rational development of the spiritual life; sacred books; claims and dominant ideas of Christianity. Among the references are: Tiele's Science of Religion; Campbell's Religion in Greek Literature; Kellogg's Genesis of Religion; Harris' Philosophical Basis of Theism; Caird's Philosophy of Religion; Fairbairn's Philosophy of Religion and of History; Wright's Scientific Aspects of Christian Evidences, — the last used as a text-book. This course is intended quite as much for all who are seeking a rational basis for religious opinions as for those who have in mind the ministerial work. Recitations, lectures, synopses of critical readings, discussions. Second Semester, thirty-six exercises, [2]. PROFESSOR CAMPBELL.

13. Philosophy of History. Origin and development of Civilization. Critical historical studies accompanied by lectures and recitations. A good knowledge of the German language is requisite. Ancient period, First Semester, (Modern period, Second Semester).
PROFESSOR CAMPBELL.

14. Advanced Ethics. Study and discussion of Kant's *Kritik der praktischen Vernunft*, or of Green's Prolegomena. Second Semester.
PROFESSOR CAMPBELL.

15. Systematic Philosophy. Independent investigation at the sources of some important philosophical work, ancient or modern. Selection may be made from Greek, Latin, German, French, or English texts. It is the aim to develop a competency for exact research according to the methods of recent literary and historical criticism. First Semester. PROFESSOR CAMPBELL.

Courses 13, 14, and 15, are intended for graduate students, hours and days to be arranged with the instructor. They may, however, be elected by undergraduates who have taken all the preceding courses in Philosophy.

MUSIC

DIRECTOR MORSE

1. Harmony I. Systematic study of intervals and chords, and their correct and effective use in four-part harmony. Ability to play four-part harmony (like a hymn tune) is necessary for this course. Emery's Harmony. First Semester, fifty-four exercises, [3].

2. Harmony II. Continuation and completion of Course 1. Harmonization of given melodies. Emery's Harmony; Boise; Richter; Gow. Second Semester, fifty-four exercises, [3].

EDUCATION

ASSISTANT PROFESSOR HORNE

The general aim of the courses here given is threefold:

(1) To acquaint college men with the nature of education and of its function in society; (2) to prepare men for the profession of teaching; (3) to fit men to direct educational activities as school superintendents, principals, members of governing boards, etc.

The courses cover the main aspects of education, its theory, its history, its science, and its practice. The theory of education, a psychological account of the genesis of the power of the mind and the nature of the main influences that educate, is presented in Course 1. The history of education, both systems and educators, is presented in Course 2. The science of education, method in

teaching, is presented in Course 2 of the Graduate Department of Pedagogy. The practice of education, problems of school supervision and management, together with a further consideration of the theory of physical, intellectual, and moral education, and a discussion of contemporary problems of education, are presented in the Pedagogical Seminary.

Courses 1 and 2 are intended for Seniors and are general and introductory. The Pedagogical Seminary and the Science of Education are for Graduate Students and are professional in character.

1. The Philosophy of Education. This course attempts three things, (1) to define the nature of physical, intellectual, and moral education; (2) to define the nature of the mind and its growth from the lower to its higher powers; (3) to characterize the influence upon the mind of each of the institutions of society that educate, viz., the family, the school, the state, the church; with especial reference to the educational influence of the disciplines of the school, viz.: Mathematics, Science, Philosophy, Literature, and History. Assigned private readings and thesis. (Rosenkranz, Philosophy of Education. Harris, Psychologic Foundations of Education.) First Semester, fifty-four exercises, [3].

Open to the Senior Class.

2. The History of Education. This course will treat the subject as a part of the History of Civilization, and will contain a general survey of past educational theory and practice. The educational ideals of the far East, Greece, Rome, and the Middle Ages will be considered in outline. Especial attention will be given to the history of education and teaching in Europe since the Renaissance, and some time will be devoted to contemporary education in the United States. The purpose throughout will be to enable the student wisely to interpret present educational aims in the light of their historical evolution. Assigned private readings and thesis. (Painter's History of Education; Munroe, The Educational Ideal; and Boone, Education in the United States.) Second Semester, fifty-four exercises, [3].

Open to Seniors, and to Juniors who have had Philosophy 1, after consultation with the Instructor.

GRADUATE DEPARTMENT OF PEDAGOGY

PROFESSOR C. D. ADAMS, DIRECTOR. PROFESSORS J. K. LORD, SHERMAN, WORTHEN, BARTLETT, PATTEN, ABBOTT, W. A. ADAMS, EMERY, NICHOLS, DOW, HORNE.

The Graduate Department of Pedagogy was organized at the beginning of the college year, 1900–1901, to give a year of definite training to men holding the bachelor's degree who wish to prepare for the work of instruction or management in secondary schools. Special attention is given to the courses which prepare directly for college.

The work of this year is not designed as the beginning of a course of study in a specialty looking toward the doctor's degree, but as a course fitting the candidate for the immediate work of teaching in the secondary schools. This will be obtained through two lines of work: the study of educational theory and history, and the study of one or more departments of elementary work, with a view to mastery of detail and methods of instruction. These courses will be supplemented by lectures by men engaged in secondary education, and by detailed reports of the student's own examination of the daily work in some of the best schools.

The centre of the work of the department will lie in the Pedagogical Seminary, of which every student of the department must be an active member, and in the advanced course of lectures on pedagogy required of all.

Grouped about this more general work are the courses in the several subjects as outlined below. Every student in the department must elect a major graduate course in some one subject; the time to be given to this course, and the collateral work that must accompany it, will be determined in each case by the instructor. The student may elect such additional courses as may be determined on conference with the Director, by whom all schedules must be approved. While the chief work of the year should be pedagogical, students will be expected to do some advanced work in their chosen fields of study under the direction of the several instructors. The nature of this work will be determined by the needs of the individual student.

The following graduate courses are offered; all of these courses continue through the year.

PEDAGOGY

1. *Pedagogical Seminary.* Subject for the year: Problems in education; in particular, the nature of education, contemporary problems in education, and the art of school supervision. The nature of education in Course 1, page 134, is considered primarily from the intellectual point of view; here more especial reference will be had to physical and moral education. The contemporary problems considered will be those that centre especially about the secondary school, its aim, its function, its course of study, and its relation to the college. The discussion of school supervision will cover those problems that confront superintendents and principals of schools in their relation to the school committee, the community, their teachers, pupils, and school buildings. Soon after the Seminary is organized each member will select for personal investigation some special topic in education in which he is interested, and his results will be presented to the Seminary in not less than one written paper each semester. A few meetings will be devoted to practice teaching. Text-books, theses, written reports, and discussions. Two exercises a week, [2].

PROFESSOR HORNE.

2. *The Science of Education.* The practical application of the science of psychology to the art of teaching. This course will consist of a series of thirty-six lectures on educational method, considering in particular the meaning of education, the nature of mind, the disciplines by which it is educated, and the methods of instruction. The course is intended to furnish teachers a scientific basis for their school-room work. There will be required private readings and a thesis on the method of teaching that branch of study to which the student proposes to devote himself especially. Candidates for this course must have had the Junior Course in Psychology or its equivalent.

Students who have not had the undergraduate courses in the Philosophy of Education and the History of Education will be required to take those courses with Course 2 in this department. One exercise a week, [1].

PROFESSOR HORNE.

GREEK

The Greek course in Pedagogy will include a review of all preparatory work, beginning with the Greek Reader. It will involve drill in pronunciation, the study of method in teaching each subject, the discussion of the more difficult grammatical points, methods of acquiring skill in sight reading, of increasing vocabulary, and securing accuracy in detail.

Students in this course will be required to do a considerable amount of private reading in an author assigned by the instructor.

The undergraduate courses in Greek Language (Greek 7 and 8) are essential to the work of this year, and must be elected by graduate students who have not taken them as undergraduates.

The Greek course in Pedagogy is open to students who have taken the undergraduate courses in Greek, amounting to three hours a week, at least to the end of Sophomore year, and who are, in the judgment of the instructor, fitted to begin the work of the course.

PROFESSOR C. D. ADAMS.

LATIN

The work of these courses will be of two kinds. One will be advanced study intended to enlarge the student's knowledge of the Latin language and literature, and requiring some independent research. The other will outline the work of preparation for College, and will follow it through the Latin Reader, Caesar, and Vergil. Careful attention will be given to pronunciation, including hidden quantity, and its application to metrical reading, to syntax, to the knowledge of forms, to derivation, to reading at sight, to composition, and in general to the method and character of grammatical drill. In some cases undergraduate courses will be allowed or required in addition to the course outlined above.

Students wishing to enter the Latin courses in Pedagogy must have taken the undergraduate courses, amounting to three hours a week, at least to the end of Sophomore year, and must have given satisfactory evidence that they are qualified to enter upon the courses in Pedagogy.

PROFESSOR J. K. LORD.

ENGLISH

The English course in Pedagogy will consist of the detailed study of preparatory English and of advanced work in composition and literature. The review of preparatory work will be made with constant reference to methods of teaching both literature and composition, to the consideration of text-books, and to the correction of students' written work. The advanced course will consist of instruction in composition, with constant practice, and of the careful study of certain masterpieces of English and American literature, particularly of those books which are required for entrance to College. The whole aim of the course will be to fit the students to become teachers of English in secondary schools.

The English course in Pedagogy is open to students who have taken the undergraduate courses in English at least to the end of Junior year, or their equivalent in Senior year; and who, in the opinion of the instructor in charge of the course, are competent to pursue and profit by the course. PROFESSOR EMERY.

FRENCH

The course offered in French will consist of a study and classification of French sounds, and drill in the pronunciation and reading aloud of French; a careful review of the essentials of French grammar, with exercises in composition to illustrate them; practice in writing French at dictation and in giving paraphrases and brief resumés in French of a given text; discussion of methods of teaching French and of the value and place of various authors and text-books in a graded scheme of elementary instruction in the language.

Although this course is intended primarily as a language drill, a portion of it will be devoted to the special study of an author. In 1901–1902, Victor Hugo will be the author selected for this.

PROFESSOR DOW.

GERMAN

The work will consist of two parts: (a) Direct preparation for the teaching of German in preparatory schools. (b) Course of study of an advanced character.

(a) Careful study of methods, the difficulties of teaching pronunciation, the subject of composition, paraphrasing, dictation, word-formation, enlarging the vocabulary. Detailed study of courses in elementary German. Discussion of text-books. The geography and leading facts concerning Germany.

(b) Some particular author — perhaps Lessing or an advanced course in Goethe — or some special period of German Literature will be taken up. A considerable amount of reading will be supplemented by a critical study of particular writings. Study of the life of the author and his position in German Literature. Brief outline of German Literature. Advanced Composition and conversation. PROFESSOR W. A. ADAMS.

This course will be open only to those who have had three years of German, and who, in the judgment of the instructor, are qualified to pursue this course.

MATHEMATICS

The work in Mathematics will require a three hours' course, both Semesters. Arithmetic, algebra, geometry, and trigonometry will be taken up in order, especial emphasis being laid on the work of the high schools in these subjects. A careful study will be made of at least three standard text-books in each subject; outlines will be formed and text-books compared. Methods of presenting the most important topics will be fully discussed. Each subject will be carried considerably beyond the high school limits. The historical development of each subject will be thoroughly investigated in connection with their natural order of sequence. Actual work accomplished in the class-room will be noted by personal observation throughout the year. The proper foundation for the course requires a fair knowledge of analytic geometry and calculus, and any who do not present these, on admission to the department must take a three hours' course in each for one Semester. PROFESSORS SHERMAN AND WORTHEN.

PHYSICS

The work offered in the Physical department to fit men taking Physics as a major subject, for teaching in secondary schools, will consist of two advanced three-hour courses in Theoretical Physics,

practice in Physical Manipulation, reading and criticism of elementary texts and popular lectures on physical subjects. The work in total will require an equivalent of at least six hours per week for one year.

The work offered for students who wish to make Physics a minor subject will require at least three hours per week throughout the year, and will include one three-hour course in Theoretical Physics, practice in simpler manipulation, reading and criticism of elementary texts.

In all cases an effort will be made to adapt the instruction to the individual needs of the candidate in view of his previous training. Physics, either as a major or a minor subject, should be chosen only after consultation with the department.

The condition for admission to the course of Pedagogy with Physics as a major subject is that the candidate shall have had in his undergraduate work Courses 1 to 5 inclusive in Physics, or their equivalents. For admission with Physics as a minor subject Courses 1 to 4 inclusive, or their equivalents, are required.

PROFESSOR NICHOLS.

CHEMISTRY

The course includes a careful review of elementary chemistry with discussion of the method of presenting the more difficult subjects, practice in the preparation of reagents and simple apparatus, and the comparison and criticism of various elementary text-books.

Each student will also do advanced laboratory work on special lines assigned by the instructor.

The course is open to students who have completed Courses 2, 3, 4, 5, 7, or equivalents. PROFESSOR BARTLETT.

BIOLOGY

The nature of the graduate course will vary to meet the requirements of the individual. It will ordinarily consist of training in the collection and preparation of the animals and plants useful for demonstration in secondary schools; the study of their life history as far as practical in the field; the construction of home-made apparatus, and the methods of performing such simple experiments on living organisms as are suitable for the public schools; and criticism of

methods of presentation of special topics in the field, laboratory, and class-room. Opportunity will be given to obtain practical experience in teaching by assisting the regular instructors in the elementary courses.

Candidates for this course must have done creditable work representing the equivalent of six hours a week for two years in Zoölogy and Botany.

The candidate should have taken at least one three-hour Semester course in each of the following subjects: — Elementary Biology, Invertebrate Zoölogy, Comparative Anatomy of Vertebrates, Cryptogamic Botany, and Phanerogamic Botany. The remaining time, of three hours for one year, may have been given to more advanced courses in either Zoölogy or Botany. PROFESSOR PATTEN.

HISTORY

The work will include (1) training in practical methods of teaching in the schools and (2) study adapted to the special needs of the individual.

1. To give clear and practical guidance in the "maze of possibilities" of the modern methods of teaching History, the student will at once be set to reading carefully one or more of the best recent text-books in the four courses recommended for the secondary schools, and will discuss these with the instructor. He will be asked, in connection with this work, to read the Report of the Committee of Seven to the American Historical Association on "The Study of History in Schools," and to apply its recommendations by making a plan of work for at least two courses, finding a place for such definite use of text-books, supplementary reading, "sources," written work, map work, and lectures as shall interest and develop the real boy and girl in the secondary school. After studying the programmes of a few of the best schools in Germany and this country, he will be expected to observe and criticise in detail the actual work in one or two, and then attempt to adapt his plan to the actual possibilities of these schools.

2. To round out his own historical knowledge, he may be advised to take courses not already elected in college. For training in power of criticism and insight, he will be asked to read entire some one of the best examples of modern historical writing, and discuss its merits

or limitations; and to present the results of his own investigation of a topic, limited in scope, based mainly on contemporary sources. This course is open to those who have taken three years of college history, or to teachers whose experience may be considered a fair equivalent for some of such courses. PROFESSOR ABBOTT.

TEACHERS' CONFERENCES

A conference of teachers in secondary schools will be held at the College every year. The whole time of each conference will be given to the discussion of the work in some one department, or group of closely related departments.

A conference of teachers of History, attended by fifty teachers, was held May 9 to 11, 1901. The following topics were discussed:

The Aims of the Teaching of History in the High School.
The Use of Sources and of Collateral Reading.
Methods of Teaching History in the Secondary Schools.
College Requirements in History.
Geographical Factors in History.
The Place of History in the School Curriculum.

The Spring conference of 1902 will be for teachers of Latin and Greek.

OUTLINE OF STUDIES

FRESHMAN YEAR

C indicates Classical Course.
L indicates Latin-Scientific Course.
S indicates Chandler Scientific Course.
All courses have the same studies after Sophomore year.

FIRST SEMESTER

C		L		S	
PRESCRIBED		PRESCRIBED		PRESCRIBED	
	hrs.		hrs.		hrs.
Greek 1	3	French 5, or German 5	3	French 5, or German 5	3
Latin 1	3	Latin 1	3	Graphics 1, or Biology 1	3
English 1	3	English 1	3	English 1	3
Mathematics 1	4	Mathematics 1	4	Mathematics 1 a, 3	4
	13		13		13
ELECTIVE (choose one)		ELECTIVE (choose one)		ELECTIVE (choose one)	
	hrs.		hrs.		hrs.
French 1	3	German 1	3	German 1	3
German 1	3	French 1	3	French 1	3
	3		3		3
	16		16		16

SECOND SEMESTER

C		L		S	
PRESCRIBED		PRESCRIBED		PRESCRIBED	
	hrs.		hrs.		hrs.
Greek 2	3	French 6, or German 6	3	French 6, or German 6	3
Latin 2	3	Latin 2	3	English 2, 8	3
English 2, 8	3	English 2, 8	3	Mathematics 6, 8	4
Mathematics 2, 4, 4 a	4	Mathematics 2, 4, 4 a	4		10
	13		13		
ELECTIVE (choose one)		ELECTIVE (choose one)		ELECTIVE (choose two)	
	hrs.		hrs.		hrs.
French 2	3	German 2	3	German 2 / French 2	3
German 2	3	French 2	3	Graphics 2 / Biology 2	3
	3		3		6
	16		16		16

Students presenting Mathematics II will take the Mathematics prescribed in the Chandler Scientific Course; those presenting only Mathematics I will take the Mathematics prescribed in the Classical or Latin-Scientific Courses.

SOPHOMORE YEAR

C indicates Classical Course. L indicates Latin-Scientific Course.
S indicates Chandler Scientific Course.

FIRST SEMESTER

C PRESCRIBED	hrs.
Physics 1	3
History 1	3
Greek 9 b, or Latin 3	3
	9

C ELECTIVE (choose 7 hrs.)	hrs.
Greek 9 b, or Latin 3	3
French 1, or 3 / German 1, or 3	3
English 9	3
Mathematics 5, 7, 9	4
Biology 1	3
Biology 5	3
French 9 / German 13	2
Greek 3	2
Latin 5	2
Latin 7	1
	16

L PRESCRIBED	hrs.
Physics 1	3
History 1	3
Latin 3 / French 3, or 7 / German 7, or 3	3
	9

L ELECTIVE (choose 7 hrs.)	hrs.
French 3, or 7 / German 7, or 3 / Latin 3	3
English 9	3
Mathematics 5, 7, 9	4
Biology 1	3
Biology 5	3
French 9, or 11	2
German 9	3
German 11	3
German 13	2
Latin 5	2
Latin 7	1
	16

S PRESCRIBED	hrs.
Physics 1	3
History 1	3
Graphics 3 / French 3, or 7 / German 7, or 3	3
	9

S ELECTIVE (choose 7 hrs.)	hrs.
French 3, or 7	3
German 7, or 3	3
English 9	3
Mathematics 11 / Mathematics 5, 7, 9	4
Biology 1	3
Biology 5	3
French 9, or 11	2
German 9	3
German 11	3
German 13	2
	16

SECOND SEMESTER

C PRESCRIBED	hrs.
Physics 2	3
History 2	3
Greek 4, or Latin 4	3
	9

C ELECTIVE (choose 7 hrs.)	hrs.
Greek 4, or Latin 4	3
French 2, or 4	3
German 2, or 4	3
Chemistry 2	3
English 10	3
Mathematics 10, 10 a	4
Biology 2	3
Biology 8	2
Biology 10	3
French 10	2
German 14	2
Greek 6 b	2
Latin 6	2
Latin 8	1
	16

L PRESCRIBED	hrs.
Physics 2	3
History 2	3
Latin 4 / French 4, or 8 / German 8, or 4	3
	9

L ELECTIVE (choose 7 hrs.)	hrs.
French 4, or 8 / German 8, or 4 / Latin 4	3
Chemistry 2	3
English 10	3
Mathematics 10, 10 a	4
Biology 2	3
Biology 8	2
Biology 10	3
French 10, or 12	2
German 12	3
German 14	2
Latin 6	2
Latin 8	1
	16

S PRESCRIBED	hrs.
Physics 2	3
History 2	3
Graphics 4 / French 4, or 8 / German 8, or 4	3
	9

S ELECTIVE (choose 7 hrs.)	hrs.
French 4, or 8 / German 8, or 4	3
Chemistry 2	3
English 10	3
Mathematics 10, 10 a / Mathematics 12	4
Biology 2	3
Biology 8	2
Biology 10	3
French 10, or 12	2
German 12	3
German 14	2
	16

JUNIOR YEAR

All courses have the same studies after Sophomore year.

FIRST SEMESTER

PRESCRIBED	hrs.
Economics 1	3
English 15	3
	6

ELECTIVE	hrs.
Greek 5	3
Greek 11	3
Latin 9 a	3
Latin 11	3
Latin 13	1
Latin 15	1
Latin 19	2
English 5	3
English 13	3

ELECTIVE	hrs.
French 3	3
French 7	3
French 9	2
French 11	2
French 13	3
French 15	3
Spanish 1	3
Spanish 3	3
Italian 1	3
German 7	3
German 9	3
German 11	3
German 13	2
German 15	3
Mathematics 13	1
Mathematics 13 a	2

ELECTIVE	hrs.
Physics 3	3
Physics 5	3
Chemistry 3	3
Biology 5	3
Biology 7	3
History 3	3
History 5	3
Philosophy 1	3
Harmony 1	3

(Each student must elect 9 or 10 hours.)

SECOND SEMESTER

PRESCRIBED	hrs.
Political Science 2	2
Philosophy 2[1]	3
	5

ELECTIVE	hrs.
Greek 6 a	3
Greek 12	3
Latin 10 a	3
Latin 14	1
Latin 18	2
Latin 20	2
English 6	3
English 16	3

ELECTIVE	hrs.
French 4	3
French 8	3
French 10	2
French 12	2
French 14	3
French 16	3
Spanish 2	3
Spanish 4	3
Italian 2	3
German 8	3
German 12	3
German 14	2
German 16	3
German 18	3
Mathematics 14	2
Engineering 2	3
Physics 4	3
Physics 6	3
Astronomy 2	3

ELECTIVE	hrs.
Chemistry 4	3
Biology 4	3
Biology 6	3
Biology 8	2
Biology 10	3
Geology 2	2
Mineralogy 2	3
History 4	3
History 6 a	3
History 10 a	3
Economics 2	3
Sociology 2	3
Philosophy 2	3
Harmony 2	3

(Each student must elect 11 to 14 hours.)

Studies with classes below, not previously taken, may be elected.

[1] Prescribed for those who did not elect Philosophy 1 in the First Semester.

SENIOR YEAR

All courses have the same studies after Sophomore year.

FIRST SEMESTER

ELECTIVE	hrs.	ELECTIVE	hrs.	ELECTIVE	hrs.
Greek 5	3	Italian 1	3	Geology 3	3
Greek 13	1	Italian 3	3	Geology 5	3
Greek 15	3	German 7	3	Mineralogy 3	3
Latin 9 a	3	German 9	3	Mineralogy 5	3
Latin 11	3	German 11	3	Mineralogy 7	1
Latin 13	1	German 13	2	History 3	3
Latin 15	1	German 15	3	History 5	3
Latin 19	2	Mathematics 15	2	Modern History 1	3
English 5	3	Mathematics 17	2	Economics 3	3
English 13	3	Physics 7	3	Political Science 3	2
English 19	3	Physics 9	3	Political Science 5	3
English 21	3	Chemistry 5	3	Sociology 3	3
French 7	3	Chemistry 7	4	Philosophy 5	2
French 9	2	Biology 5	3	Philosophy 7	2
French 11	2	Biology 9	4	Philosophy 9	2
French 13	3	Human Anatomy 1	3	Philosophy 11	2
French 15	3	Physiology 1	3	Harmony 1	3
French 19	3	Medical Physics 1	2	Education 1	3
Spanish 1	3				
Spanish 3	3				

(Each student must elect 14 to 16 hours.)

SECOND SEMESTER

ELECTIVE	hrs.	ELECTIVE	hrs.	ELECTIVE	hrs.
Greek 6 a	3	German 8	3	History 4	3
Greek 14	3	German 12	3	History 6 a	3
Greek 16	3	German 14	2	History 10 a	3
Latin 10 a	3	German 16	3	Modern History 2	3
Latin 14	1	German 18	3	Economics 4	3
Latin 18	2	Mathematics 16	2	Economics 6	2
Latin 20	2	Mathematics 18	3	Economics 8	3
Hebrew 2	3	Physics 8	3	Political Science 4	1½
English 6	3	Physics 10	3	Political Science 6	3
English 16	3	Chemistry 6	3	Political Science 8	2
English 20	3	Chemistry 8 a	4	Political Science 10	2
English 22	3	Chemistry 8 b	4	Sociology 4	3
French 8	3	Human Anatomy 2	1	Philosophy 6	3
French 10	2	Biology 6	3	Philosophy 8	2
French 12	2	Biology 8	2	Philosophy 10	2
French 14	3	Biology 10	3	Philosophy 12	2
French 16	3	Biology 12	3	Harmony 2	3
French 20	3	Physiology 2	3	Education 2	3
Spanish 2	3	Mineralogy 2	2		
Spanish 4	3	Mineralogy 8	3		
Italian 2	3				
Italian 4	3				

(Each student must elect 14 to 16 hours.)

Studies with classes below, not previously taken, may be elected.

THAYER SCHOOL COURSE

Engineering 3	72 half-days	Engineering 8	16 half-days
Engineering 4	55 "	Engineering 9	26 "
Engineering 5	56 "	Engineering 10	17 "
Graphics 5	40 "	Engineering 11	36 "
Engineering 6	60 "	Engineering 12	26 "
Engineering 7	50 "	Graphics 6	24 "

TUCK SCHOOL COURSE

	hrs.		hrs.
English Composition	1	Modern History 1, 2	3
French 9 or 11, 10 or 12	2	Economics 3, 4, 6	3
Spanish 1, 2	2	Political Science 3	2
German 13, 14	2	Sociology 3, 4	3

PROPORTION OF PRESCRIBED AND ELECTIVE STUDIES

The same number of exercises, prescribed and elected, is required in each of the three courses.

In the Freshman year, thirteen exercises a week are prescribed, and three exercises a week must be elected.

In the Sophomore year, nine exercises a week are prescribed, and seven exercises a week must be elected.

In the Junior year, on the average about one-fourth of the exercises are prescribed.

In the Senior year, all exercises are elective. Optional studies also are offered during this year.

RULES GOVERNING THE ELECTION OF STUDIES

(1) Every student, in making his elections, must meet the requirements and conform to the conditions of the studies he may choose, as set forth above in the "Departments of Instruction," and in the "Outline of Studies." The choice of any elective involves the same requirement in respect to attendance and scholarship as for a prescribed study.

(2) Elections for the second Semester must be communicated to the Dean, in writing, on or before January 10, and for the first Semester on or before June 1.

(3) A student may elect studies assigned to a class below his own, subject to the approval of the instructor concerned. No student will be allowed to elect a study with a class above his own, or any group of electives involving with his required courses more than a total number of sixteen exercises a week, except by vote of the Committee on Administration.

(4) Any student failing to make his elections at the specified time shall pay to the College Treasurer three dollars.

(5) Any student who, having made his elections, desires to change, shall make application to the Dean, with a statement in full of his reasons; but

(6) No changes from one elective study to another may be made after the student has begun work in the study first chosen.

(7) The Faculty will ordinarily withdraw any elective study not chosen by at least four students.

EXAMINATIONS

The regular examinations in each course of study are held in the middle and at the close of the year.

A student who fails to pass any regular examination will have but one opportunity to make good the deficiency, and failing in this second trial, which must be taken in the half-year following the original examination, he will be obliged to repeat the course with the next class.

REPORTS OF STANDING

A report is sent twice yearly to the parent or guardian of each student, giving his standing in the class.

The standing given is, except where there are unexcused absences, the general average for scholarship. This average is determined by combining the average of recitation marks with that of examination marks in all the studies of the Semester, in the ratio of three to one.

Upon the scale used, 100 is the highest, and 0 the lowest mark; but no standing is obtained when the student's recitation or examination mark is below fifty in any study.

For each unexcused absence from recitation in excess of those allowed in each subject (as many as the subject is scheduled hours per week) a deduction of 5 per cent from the recitation mark in that subject will be made.

For each unexcused absence from church and chapel, standing is lowered *one.* (Thus an average for scholarship of 85, with three unexcused absences, gives a standing of 82.)

The student's rank is determined by his position in one of six grades, viz.: Excellent, (E.); Very good, (V. G.); Good, (G.); Fair, (F.); Poor, (P.); Deficient, (D.); corresponding to the numerical averages, 93–100; 85–93; 75–85; 65–75; 50–65; 0–50.

The co-operation of parents with the Faculty is earnestly solicited, in their efforts to maintain a high standard of scholarship and deportment in the College, and to promote the welfare of all committed to their care.

LOSS OF STANDING IN CLASS

A student loses standing in his class when he is obliged to repeat with a lower class courses covering five or more hours a week in either Semester. This loss of standing may arise from failure to receive a recitation rank of 50 in the work of five hours, or from failure in a second examination of the work of five hours, or from a combination of the two. Loss of standing causes enrollment in a lower class.

ATTENDANCE AT EXERCISES

In Freshman year, attendance is required continuously through each term, at the morning, forenoon, and afternoon exercises. For Sophomore, Junior, and Senior years, the hours at which exercises occur are announced in a time-table published each Semester.

The *morning* exercise takes place on each week-day, either at 8.10 A. M., or (when there are two divisions in a subject) at 8.10 and 9 A. M. The *forenoon* exercise takes place on each week-day, either at 11 A. M., or at 10 and 11 A. M. The *afternoon* exercise takes place on each week-day except Saturday, either at 1, 2, or 3 P. M.

Attendance is further required of all students at daily college prayers, on week-days at 7.50 A. M., and on Sundays at 5.30 P. M.; also at public worship on Sunday forenoon.

DEGREES

The degrees of Bachelor of Arts, Bachelor of Letters, and Bachelor of Science are conferred by the Board of Trustees, on the recommendation of the Faculty, upon those who have duly completed the Classical, Latin-Scientific, and Chandler Scientific courses, respectively. For degrees with Honors, see page 159.

The degrees of Master of Arts, Master of Science, and Doctor of Philosophy will be conferred under the following conditions:

(1) The degree of Master of Arts will be conferred upon Bachelors of Arts and Bachelors of Letters of the College of at least one year's standing who shall have pursued in residence at the College, or, provided the approval of the Faculty shall have been first obtained, in the graduate department of any other College or University, for one full year a course of graduate study approved by the Committee on Graduate Instruction as affording suitable preparation for that degree, and shall have completed and passed an examination upon such course of study with high credit and presented a satisfactory thesis.

The study approved by the Committee on Graduate Instruction for the degree of Master of Arts may consist of:

(a) Courses of instruction of advanced grade, four such courses ordinarily being required to constitute a full year's work, or the work may be partly or wholly made up of

(b) Research or special study, either in connection with, or outside the courses of instruction, carried on under the direction, or with the criticism and approval of the head of the appropriate department.

The Master's degree is deemed the appropriate award for graduate students who have shown marked proficiency in liberal studies. In every case the program of work approved for candidates for that

degree must form a consistent plan of study and it ordinarily will be pursued in more than one department. No work which is to be counted for any other degree, except that of Doctor of Philosophy, will be approved as a constituent part of the course of study for the degree of Master of Arts.

(2) The degree of Master of Arts will also be conferred upon Bachelors of Arts and Bachelors of Letters of the College of at least three years' standing who shall have pursued while not in residence at any College or University for one full year, a course of graduate study approved by the Committee on Graduate Instruction, substantially equivalent in kind, grade, and amount to that prescribed for resident candidates for that degree, and shall have completed and passed an examination upon such course of study with high credit and presented a satisfactory thesis.

(3) The degree of Master of Science will be conferred upon Bachelors of Science of the College under the same conditions that are prescribed for the degree of Master of Arts.

The Faculty at its discretion may select one person from the candidates for the Master's degree in any year, to read and to defend his thesis in public at Commencement.

(4) Persons who have received the Bachelor's degree in any other College, whose requirements for that degree are equal to those of this College, may be recommended for the corresponding Master's degree on the same conditions that are prescribed for graduates of this College, except that the specified course of liberal, non-professional study, of not less than one year, must be pursued in residence at this College.

(5) Resident candidates for the degrees of Master of Arts or Master of Science shall be charged the same tuition as undergraduates. They shall be charged also a fee of ten dollars for the degree. Non-resident candidates for the same degree shall be charged a fee of ten dollars for registration and of twenty-five dollars for examination and verification of thesis and for the degree.

(6) The degree of Doctor of Philosophy is at present offered in the departments of Biology, Geology, and Sociology only. Whenever

other departments, singly or in groups, have sufficient teaching force and equipment to offer courses leading to this degree, announcement will be made in the catalogue. Meanwhile, graduates of the College who wish to become candidates in departments not mentioned above, are advised to seek the degree at graduate schools which are prepared to confer it.

(7) A candidate for the degree of Doctor of Philosophy must have received a Bachelor's degree from this College or from a College whose degrees are accepted as equivalent to its own, and he must satisfy the Committee on Graduate Instruction that he is properly prepared for the graduate work in the department in which he is an applicant for a degree. He must pursue graduate studies for at least three years after taking his Bachelor's degree. Two of these years must be in residence at this College. The other year may be spent in graduate study at an approved institution.

(8) Graduates of this College who have received the degree of Master of Arts or Master of Science under the rules in force since 1894, and in courses which form a part of the work announced by the department as leading to the degree of Doctor of Philosophy, may count this work as a year toward the degree.

(9) Candidates for the degree of Doctor of Philosophy are required to present themselves for examination in three related subjects, a major and two minor. The requirements in each minor subject shall not be less than all the required and elective undergraduate courses in that subject, or their equivalent. The graduate work in the major subject will consist largely of original investigation of a definite problem, the results of which are to be embodied in a thesis that shall contain some original contribution to knowledge, together with an historical and critical summary of the pertinent literature.

(10) Candidates for the degree of Doctor of Philosophy are charged the same tuition as undergraduates. They are also charged a fee of twenty-five dollars for the degree.

SPECIAL REGULATIONS

(1) Applicants for an advanced degree, whether resident or non-resident, are required to announce to the President on a blank which will be furnished by the Dean of the Faculty on application, as early as the first of October of each year, the particular branches of study to which they wish to give attention during the year, together with all needed statistics and facts. The supervision of their work will then be entrusted to the Committee on Graduate Instruction.

(2) The subject of the thesis must be announced to the President as early as the first of February of the college year in which the applicant expects to take the degree.

(3) The thesis must be completed and put into the hands of the chairman of the Committee on Graduate Instruction as early as the first of June.

(4) Every non-resident candidate must send a written report of the progress of his work to this committee through the head of the department at least twice a year, in December and in June. Any non-resident candidate who shall fail to make such report for a period of two years shall be deemed thereby to have ceased to be a candidate for the degree for which he was enrolled.

HONORS

COMMENCEMENT APPOINTMENTS

The speakers at Commencement are appointed by the Faculty on the basis of excellence in general scholarship for the entire college course. The appointees are grouped into classes in accordance with their relative rank.

RUFUS CHOATE SCHOLARS

Students who attain a rank of 92 are designated "Rufus Choate Scholars." The designation is entirely a term of honor and carries with it no pecuniary allowance. The assignment is made at the close of each year, and the names of such scholars are to be announced by the Dean, and published in the annual catalogue.

HONORS

For excellence in special departments of study, three grades of honors are awarded by the Faculty, — Honorable Mention, Honors, and Special Honors.

HONORABLE MENTION

Honorable Mention is awarded in the following courses of study to students who obtain an average rank of 93 per cent in the courses specified below for each department:

GREEK, for Courses 1 a, 2 a, 4, and 9 b; or for Courses 1 a, 2 a, 6 b, and 9 b; or 1 a, 2 a, 3, and 4.
LATIN, for Courses 1, 2, 3, 4; or for Courses 1, 2, 3 or 4, and 5 or 6.
ENGLISH, for Courses 1, 2, 3, and 4; or for Courses 1, 2, 9, and 10.
FRENCH, for any *four* of the following Courses: 1, 2, 3, 4, 5, 6, 7, 8, 13, 14.
GERMAN, for Courses 1, 2, 3, and 4; or for Courses 5, 6, 7, and 8.

MATHEMATICS, for Courses 1, 2, 4, 4a, 5, 7, 9, 10 and 10a; or for Courses 1a, 3, 6, 8, 11, and 12.
GRAPHICS, for Courses 1, 2, 3, and 4.
PHYSICS, for Courses 1, 2, and either 3 or 5.
CHEMISTRY, for Courses 2, 3, 4, and 5 or 7.
ZOÖLOGY, for courses in Biology 1, 2, 3, and 4.
BOTANY, for courses in Biology 1, 2, 5, and 10.
GEOLOGY, for Courses 2, 3, 5.
MINERALOGY, for Courses 2, 3, and 8.
HISTORY, for Courses 1 and 2, and any two courses in Junior year.
ECONOMICS, for Courses 1, 2, 3, and 4 or 8.
POLITICAL SCIENCE, for Courses 2, 3, 4, and 5.
POLITICAL SCIENCE, for Courses 3, 8, and Economics 1 or 3, and History 4 or 5.
PHILOSOPHY, for Courses 1, 2, 7, and 8.

The names of students receiving Honorable Mention are printed in the annual catalogue published next after the award.

HONORS

Honors are awarded in the following departments of study to students who maintain an average rank of 93 per cent in the courses specified below for each department, and who in addition pass with credit a special examination at the close of the work:

GREEK, one three-hour course in each Semester of Junior and Senior years.
LATIN, one three-hour course in each Semester of Junior and Senior years.
ENGLISH, Courses 1, 2, and 3, 4, or 9, 10, and 5, 6, 15, 16.
FRENCH, Courses 11, 12, or 13, 14, and any two of the following courses: 15, 16, 17, 18, 19, 20.
GERMAN, any three of Courses 7, 8, 9, 11, 12, and Courses 15, 16.
MATHEMATICS, Courses 9, 10 and 10a, or 11 and 12, and 13, 13a, 14, 15, 16, 17, 18.
GRAPHICS, all courses in Civil Engineering.
PHYSICS, Courses 3, 4, 5, and any one of Courses 6, 7, 8, 9, 10.
CHEMISTRY, Courses 2, 3, 4, 5, 7 or 8b, and either 6 or 8a.
ZOÖLOGY, courses in Biology, 4, 6, 7, 9.
BOTANY, courses in Biology, 5, 7, 10, 12.
HISTORY, four elective courses, not included in Honorable Mention, and one of Courses 6a, 8, 10a.
SOCIOLOGY, all the undergraduate courses.
PHILOSOPHY, Courses 4, 6, 10, 12.

SPECIAL HONORS

Special Honors are awarded in the departments specified below to those who fulfil the conditions mentioned hereafter.

Any student who attains the average rank of 85 per cent in the studies of Junior year, or who attains 93 per cent in any department, with an average of at least 80 per cent in all departments, in the studies of Sophomore and Junior years, will be allowed to become a candidate for Special Honors in any department in which he has attained a rank of 90 per cent. Students who are thus entitled to become candidates for Special Honors, and who wish to do so, must give written notice to that effect to the Dean of the Faculty and to the officer in charge of the department in which Special Honors are sought, on or before the 15th of October of their Senior year, and must fulfil the following conditions:

(a) They must take the elective courses indicated below in the department in which they seek Special Honors, and must also pursue such additional courses of study and collateral reading or investigation as shall be prescribed. At the close of the year they must pass a special examination covering their work in the department, including the courses of collateral reading or investigation presented for Special Honors, and designed to test the range and accuracy of their work.

(b) They must also, if required, present theses satisfactory to a committee appointed by the Faculty, embodying the result of their special study. The subjects of theses shall be announced not later than March 1, and the theses must be handed to the Dean of the Faculty not later than June 10 of Senior year.

(c) They must maintain their general standard of scholarship, and if their average rank falls below 80, or if it falls below 70 in any one department in any Semester, they will be required to discontinue their work for Special Honors.

(d) No student will be allowed to become a candidate for Special Honors in more than one subject, without a special vote of the Faculty.

Special Honors may be sought in the following departments:

GREEK — Continuous work in Greek throughout the course, covering all Greek courses of Freshman year, two courses in Sophomore year, one of which must be a three-hour course, and an average of four hours a week in

Junior and Senior years. The candidate will do additional work, equivalent to at least one three-hour course for a year, to be assigned at the opening of Senior year; he will be examined on this work and on his general attainments in Greek at the end of Senior year. A thesis is required.

LATIN — Work in the elective courses of Junior and Senior years amounting to four hours a week; an examination on the work of some Latin author not covered in the course, and also a general examination upon Latin Literature, with more special reference to the period to which the particular author studied belonged. A thesis is required.

ANCIENT CLASSICS — Courses in Greek and Latin covering an average in each of three hours a week in Junior and Senior years. Special study in one of the two languages amounting to the work of a three-hour course for Senior year will be required, and the final examination will cover this study, as well as the general work in the two languages. A thesis in connection with the subject of special study may be required.

ENGLISH — Eight courses, with examinations on all courses of Junior and Senior years, and upon two authors outside the course, amounting to three hours for Senior year. A thesis will be required.

FRENCH — Any *six* of the following courses: 11, 12, 13, 14, 15, 16, 17, 18, 19, 20. A thesis will be required.

GERMAN — Any two of Courses 7, 8, 9, 11, 12, and Courses 13, 14, 15, 16, and 18, with collateral reading and study. A thesis will be required.

MATHEMATICS — All courses, and advanced work in Calculus, and its applications. A thesis may be required.

PHYSICS — Courses 1, 2, 3, 4, 5, and any three of Courses 6, 7, 8, 9, 10 with the solution of some simple research problem described in a thesis.

ZOÖLOGY — Courses in Biology 1, 2, 3, 4, 6, 7, 9, and either 5 or 10 with special laboratory work and collateral reading amounting to a minimum of 3 hours per week for Senior year.

BOTANY — Courses in Biology 1, 2, 3, 4, and 7 and all the courses in Botany, with collateral reading and such additional work as may be indicated by the instructor, amounting to a minimum of three hours per week for Senior year. A thesis may be required.

HISTORY — Candidates must take all elective courses offered by the department, together with additional courses of study, collateral reading, and investigation. At the close of the year they must pass a special examination covering the work of the department and the additional work.

ECONOMICS — All courses, with collateral reading and study amounting to three hours a week for Senior year.

POLITICAL SCIENCE — Courses, 3, 4, 5, 6, with collateral reading and study amounting to three hours a week for Senior year.

PHILOSOPHY — Candidates must take at least eight courses, and do original, critical work in Greek philosophy, or in German philosophy. Thesis will be required.

Any student who has an average rank for his entire college course of 90 per cent, or who has received Honorable Mention in two departments and Honors in one department, or who has received Honorable Mention in one department and Special Honors in another, shall receive a degree *cum laude.*

Any student who has received an average rank for his entire college course of 92 per cent, or who has received Honorable Mention and Honors in two departments, or who has received them in one department, together with Special Honors in another, shall receive a degree *magna cum laude.*

Any student who has an average rank for his entire college course of 94 per cent, or who has received Honorable Mention and Honors in two departments, together with Special Honors in any department, shall receive a degree *summa cum laude.*

The names of recipients of Honors are printed on the Commencement programme and in the annual catalogue.

THE HENRY ELIJAH PARKER FELLOWSHIP

The value of the fellowship is $500 a year, and may be held for two years. The holder of the fellowship shall be a graduate of not more than one year's standing, recommended by the Faculty. If judged advisable by the Faculty, he may be allowed a year for special preparation before entering upon the duties of his fellowship or receiving the income attached to it. During the time in which he is upon the fellowship he shall pursue advanced studies, not professional, subject to the approval of the Faculty. He shall also regard himself as com-

mitted to an engagement as a teacher in the College for the year after his fellowship expires, in case the College requires his services, at the usual compensation for the grade of his appointment.

RESIDENT GRADUATE SCHOLARSHIPS

Six scholarships, yielding three hundred dollars each for one year, have been provided for graduates of the College who wish to continue their studies in residence. These scholarships are designed particularly for those who intend to teach, but are not limited to those who have this end in view.

SCHOLARSHIPS AND BENEFICIARY AID

Scholarships, in distinction from prizes, are designed to aid those who are chiefly dependent upon their own exertions in securing a College education. It is not expected that those who receive any considerable aid from parents, relatives, or from any other sources will apply for beneficiary aid.

While scholarship aid is based upon pecuniary need, the amount of this aid above fifty dollars is determined by actual proficiency in scholarship, taken in consideration with faithfulness in attendance and study.

I — ENTRANCE SCHOLARSHIPS :

Four scholarships for Freshman year, based upon entrance examinations, are available for each entering Class.

They are as follows :

The Roswell Shurtleff Scholarship
established by Mrs. Anna P. Emerson of Hanover, N. H. $100

The David Jewett Scholarship
given by his sons, Rev. William R. Jewett and David B. Jewett 100

The New Hampshire State Scholarship
offered to any applicant from New Hampshire, and applied to tuition and to room-rent in the College Buildings . 125

The College Scholarship
open to all applicants, and applied to tuition and to room-rent in the College Buildings $150

The competition for these scholarships is regulated by the following conditions:

(1) Examinations are to be taken at the College or at places specified in the catalogue (pages 84–85) for the June examination.

(2) No scholarship will be granted to an applicant who does not obtain a rank of at least 85 on a scale of 100, — that being the percentage which indicates Honor rank at graduation.

(3) Scholarships will be assigned on the merits of the examination.

(4) These scholarships are open to those only who require pecuniary aid.

II — CLASS SCHOLARSHIPS:

Twelve scholarships, four to each class, corresponding in amounts to those named under Entrance Scholarships, are available to applicants from the Sophomore, Junior, and Senior Classes. Of these, six are of $100 each, nearly covering tuition, — three of $125, covering tuition and room-rent in the College Buildings (open to students from New Hampshire only), — three of $150, covering tuition and room-rent in the College Buildings.

These scholarships are awarded upon the basis of the work of the year preceding that for which they are assigned. In ordinary cases none will be given except to those who attain a grade of 90 on a scale of 100, and above that grade they will be assigned according to rank. Like the Entrance Scholarships, they are open to those only who require pecuniary aid.

III — BENEFICIARY AID, associated with merit in scholarship:

Beneficiary aid is given chiefly in the form of scholarships, of which there are about two hundred, specified below, each yielding an annual income of fifty dollars. This amount may be increased through faithfulness and proficiency in study to sums of seventy-five and eighty-five dollars.

Scholarships of this order are of three grades:

GRADE A — Scholarships of $50 each, given as beneficiary aid, but requiring full standing in class, — with rank of at least 50 on a scale of 100.

GRADE B — Scholarships of $75, including beneficiary aid, given to those who attain a rank of 75 (70 in Freshman year) and also to those who, without attaining this rank, show marked faithfulness in attendance and study.

GRADE C — Scholarships of $85, including beneficiary aid, given to those who attain a rank of 85.

The amount of the scholarship in grades B and C, in excess of the $50 as beneficiary aid, is determined by the student's attendance and work Semester by Semester. No allowance is made for this additional amount in the payment of tuition, unless the rank of the previous Semester has been determined. Students having deficiencies must pay on the basis of beneficiary aid only.

The following rules govern the bestowal of beneficiary aid, and, with the exception of the first, are applicable to all scholarships:

(1) Applications accompanied by suitable testimonials must be made in writing to the Dean in due season.

(2) No student who is not in full standing shall receive beneficiary aid or a scholarship.

(3) In addition to the restrictions which may be imposed by the donors of scholarships, the conditions of careful economy in personal expenses and of abstinence from intoxicating liquors are imposed by the College. The application for the renewal of beneficiary aid from year to year must be accompanied by a complete statement of income and expenditure during the year preceding.

(4) Beneficiary aid will be assigned near the close of each year for the following year, and any change may be made that the Faculty deems desirable.

The income applicable to beneficiary aid is derived as follows:

I — From lands and funds given by the State of New Hampshire, with an annual income equivalent to seventy scholarships. These scholarships are limited to residents of the State.

II — From funds amounting to $14,000 raised by subscription in 1823, "for the education of pious young men in Dartmouth College studying for the gospel ministry." The income from these funds is applied in fourteen scholarships.

III — From funds amounting to $7,000 given by Mrs. Clark of Portsmouth, New Hampshire, and by other persons. The income from these funds is devoted to students studying for the ministry, and is applied in seven scholarships.

IV — From funds amounting to $6,100 given by the Conferences of Grafton, Hillsborough, Cheshire, Merrimack, Rockingham, and Strafford Counties in New Hampshire, also devoted to students for the ministry, and constituting six scholarships.

V — From funds amounting to $11,000 given by Jeremiah Kingman, of Barrington, New Hampshire, to found the "Kingman Scholarships," eleven in number. "In applying the income annually of one thousand dollars, the preference shall be given to some student from the town of Strafford; and in applying the income of the other ten thousand dollars, preference shall be given to one student from each of the ten counties in the state of New Hampshire."

VI — From funds amounting to $10,000 given by Mrs. Betsey Whitehouse, of Pembroke, New Hampshire, to establish the "John S. Jenness Foundation." By the provisions of the donor, "A worthy and needy applicant from each of the ten counties of the State of New Hampshire shall receive, by preference, the income of one of these scholarships." Another gift of $1,000 by Mrs. Whitehouse is included in the following general list.

VII — From funds given to found scholarships as follows:

The Aiken Scholarship given by Jonas B. Aiken of Franklin, N. H.	$1000
The William Lawrence Baker Scholarship given by Mrs. Caroline A. Lawrence of Winsted, Conn.	1000
The George W. Benson Scholarship given by Mrs. Maria T. Benson of Lawrence, Mass.	1000
The Bouton Scholarship given by the family of Nathaniel Bouton, D.D., of Concord, N. H.	1500
The Richard Boylston Scholarship given by the family of Richard Boylston of Amherst, N. H.	1000
The Joseph P. Brooks Scholarship given by Joseph P. Brooks of Chicago	1000
The Emily Clark Brown Scholarship given by Edward J. Brown, M.D., of Minneapolis, Minn.	1000
The Burleigh Scholarship given by George W. Burleigh of Great Falls, N. H.	1000
The Carr Scholarship given by William Carr of Newport, N. H.	1000
The George E. Chamberlain Scholarships given by Mrs. Addie D. McAlpine of New York City	5000
The Cilley Scholarship given by Jacob G. Cilley of Manchester, N H.	1000

The Lizzie C. Converse Scholarship
given by Miss Sarah E. Converse of Burlington, Vt. . . $1000
The Cushing Scholarship
given by G. W. B. Cushing of New York City . . . 1000
The Dodge Scholarship
given by William E. Dodge of New York City 1000
The Edgell Scholarship
given by George S. Edgell of New York City . . . 1000
The John M. Ellis Scholarship
given by Mrs. Josephine M. Ellis of Milford, N. H. . . 1000
The Horace Fairbanks Scholarship
given by Horace Fairbanks of St. Johnsbury, Vt. . . . 1000
The Thaddeus Fairbanks Scholarship
given by Thaddeus Fairbanks of St. Johnsbury, Vt. . . . 1000
The Fairfield Scholarship
given by Josiah H. Fairfield of Hudson, N. Y. . . . . 1' 00
The Fogg Scholarship
given by William H. Fogg of New York City . . . 1000
The Richard Foster Scholarship
given by Sarah B. Foster of Washington, D. C. 2500
The Gookin Scholarship
given by Warren D. Gookin of New York City 1000
The Gordon Scholarships
given by Nathaniel Gordon of Exeter, N. H. 2000
The Greene Scholarship
given by William H. Greene of Buffalo, N. Y. 1000
The Grimes Scholarship and
The Mrs. James W. Grimes Scholarship
given by James W. Grimes, LL.D., of Burlington, Ia. . . . 2000
The Mary Harris Scholarship
given by Mrs. Mary Harris of Manchester, N. H. . . . 1000
The Tracy H. Harris Scholarship
given by Tracy H. Harris of New York City 1000
The Mrs. Adaline Hartshorn Scholarship
given by Mrs. Adaline Hartshorn of Manchester, N. H.
(awarded preferably to sons of missionaries) 1000
The Haven Scholarships
given by bequest of Eliza A. Haven to establish six scholarships 9000
Ths Hitchcock Scholarship
given by Hiram Hitchcock of Hanover, N. H. 1000
The Ephraim E. Howard Scholarships
given by James T. Howard of St. Johnsbury, Vt. . . . 5700
By the provisions of the donor not available at present

The Hunt Scholarship
given by Seth B. Hunt of New York City $1000
The Hutchinson Scholarship
given by John B. Hutchinson of New York City 1000
The Leonard Jewett Scholarship
given by Rev. Leonard Jewett of Hollis, N. H. 700
The Kendrick Scholarship
given by Professor Henry I. Kendrick of West Point, N. Y. . 1000
The Kimball Scholarship
given by Benjamin A. Kimball of Concord, N. H., annually, $60
The Kittredge Scholarship
given by Moses Kittredge, of St. Johnsbury, Vt. 1000
The Knight Scholarship
given by Miss C. Knight 1000
The Henry H. Ladd Scholarships
given by Henry H. Ladd of Portsmouth, N. H. 5000
The Betsey R. Lang Scholarships
given by Mrs. Betsey R. Lang of South Boston, Mass. . . 5000
The Mary Langdon Scholarship
given by William T. Savage, D.D., of Godfrey, Ill. . . . 1000
The Lawrence Scholarship
given by Aaron Lawrence of Amherst, N. H. 1000
The Lue Lawrence Scholarship
given by Miss Sarah Lucretia Lawrence of Amherst, N. H. . 1000
The Mary H. Lord Scholarship
given by Mrs. Mary H. Lord of Andover, Mass. 1000
The Sarah Reid McMurphy
The Henry James McMurphy
The Abby Frances McMurphy Scholarships
given by bequest of Mrs. Sarah R. McMurphy of Derry, N. H. . 5000
The William G. Means Scholarships
given by William G. Means of Boston, Mass. 2000
The Morton Scholarship and
The Daniel O. Morton Scholarship
given by Levi P. Morton of New York City 2000
The Nesmith Scholarship
given by George W. Nesmith of Franklin, N. H. . . . 1000
The Daniel Nettleton Scholarship
given by Fred H. Nettleton of St. Paul, Minn. 1000
The William W. Niles Scholarship
given by William W. Niles of New York City 1000
The Albert Onion and
The John P. Williams Scholarships
given by Mrs. Abigail W. Onion of Chester, Vt. 2000

The Parker Scholarship
Memorial of Edith Florence Parker
given by Joel Parker, LL.D., of Cambridge, Mass. . . . $1000
The Peaslee Scholarship
given by Professor Edmund R. Peaslee, M.D., LL.D., of New York City 1000
The William Rand Scholarship
from Estate of William Rand of Rochester, N. H. . . . 1000
The Richards Scholarship
given by Dexter Richards of Newport, N. H. 1000
The Joel Richardson Scholarship
given by James B. Richardson, LL.D., of Boston, Mass. . . 1000
The John Jones Sargent Scholarship
given by Jonathan E. Sargent, LL.D., of Concord, N. H. . . 1000
The David A. Simmons Scholarship
given by David A. Simmons of Roxbury, Mass. 1000
The Smyth Scholarship Fund
from Estate of Frederick Smyth of Manchester, N. H. . . 4500
The Stanton Scholarship
given by Samuel Stanton of London, Eng. 1000
The Stephen N. Stockwell Scholarship
given by Stephen N. Stockwell of Boston, Mass. . . . 1000
The Stone Scholarship
given by Mrs. Benjamin P. Stone of Concord, N. H. . . . 1000
The Samuel Swan Scholarship and
The Janet Swan Scholarship
given by Miss Elizabeth S. Swan of Peterborough, N. H. . . 2000
The Tenney Scholarship
given by William Tenney of Hanover, N. H. 1000
The William C. Todd Scholarship
given by William C. Todd of Atkinson, N. H. 1000
The Trussell Scholarship
given by J. Trussell of Enfield, N. H. 1000
The Twombly Scholarship
given by Horatio N. Twombly of New York City . . . 1000
The John W. Wallace Scholarship
given by Mrs. Celia Whipple Wallace of Chicago . . . 1000
The Wheeler Scholarships
given by David E. Wheeler of New York City 2000
The Thomas Whipple Scholarship
given by Mrs. Celia Whipple Wallace of Chicago . . . 1000
The Mrs. Betsey Whitehouse Scholarship
given by Mrs. Betsey Whitehouse of Pembroke, N. H. . . 1000
The George F. Wingate Scholarship
given by Isabel C. Wingate of Exeter, N. H. 1000

The Dr. Chase Wiggin Scholarship
given by Dr. Chase Wiggin of Providence, R. I. $2250
By the provisions of the donor two-thirds of the income is awarded.

Luke Wood Fund for Scholarships
Bequest of Martha W. Brown of Hartford, Conn. . . . 4850

The Dutton Woods Scholarship
given by Miss Maria Woods of Concord, N. H. 1000

The Woodward Scholarship
given by Dr. Ebenezer Woodward of Quincy, Mass. . . . 1000

The Henry G. Jesup Scholarship
given by Professor Henry G. Jesup, Hanover, N. H. . . . 1200

The "Class of 1876" Scholarship
given at their 25th reunion 2500

Some additional aid is furnished in the way of compensation to those students who are appointed by the Dean as monitors and by the Librarian as assistant librarians.

PRIZES

I. RHETORICAL PRIZES. 1. *The Grimes Prizes.* Two prizes, of *twenty-five* and *fifteen* dollars respectively, given by JAMES W. GRIMES, LL.D., of Iowa, are offered to the Senior Class for excellence in English Composition.

2. *The Lockwood Prizes.* Two prizes of *twelve* and *eight* dollars respectively, given by LEGRAND LOCKWOOD, of New York, are offered to the Junior Class for excellence in English Composition.

3. *Pacific Coast Alumni Association Prize.* A prize of *fifteen* dollars, given by the Dartmouth Alumni Association of the Pacific Coast, is offered to the Sophomore Class for the best essay on a subject in American Literature.

II. ORATORICAL PRIZES. 1. *The Rollins Prizes.* The sum of *one hundred* dollars, annually contributed by the heirs of EDWARD H. ROLLINS, of Concord, New Hampshire, is awarded in three prizes of *forty*, *thirty-five*, and *twenty-five* dollars respectively, for excellence in Declamation, to be contested for by three students from each of the three lower classes in the College.

2. *The Smith and Class of 1866 Prizes.* Two prizes, of *thirty* and *twenty* dollars respectively, given by PROFESSOR JUSTIN H. SMITH, are offered to the Senior Class for excellence in Extemporaneous

Oratory, to be contested for by four students. Two prizes, of *thirty* and *twenty* dollars respectively, annually contributed by WALDEMER OTIS, of New York City, in the name of the CLASS of 1866, are offered to the Junior and Sophomore Classes for excellence in Original Orations, to be contested for by two students from each of these classes.

III. LATIN PRIZES. Two prizes, of *twelve* and *eight* dollars respectively, established by the CLASS OF 1846, are offered to the members of the Junior Class who shall maintain the best positions, and pass the best examinations in the studies of the Latin Department, including Latin Compositions.

IV. GREEK PRIZES. Two prizes, of *twenty-five* and *fifteen* dollars respectively, established by the joint gift of EDWARD SPALDING, LL.D., and JOSIAH G. DAVIS, D.D., and named the ATHERTON PRIZES, are offered to the members of the Junior Class who shall maintain the best positions and pass the best examinations in the prescribed and elective studies of the Greek Department.

V. MATHEMATICAL PRIZES. Two prizes, of *twenty-five* and *fifteen* dollars respectively, given by GENERAL SYLVANUS THAYER, LL.D., of Braintree, Massachusetts, are offered to the members of the Sophomore Class for excellence in Analytic Geometry and the Differential and Integral Calculus.

VI. MODERN LANGUAGE PRIZE. By the will of THOMAS J. W. PRAY, M.D., of Dover, New Hampshire, the sum of *one thousand* dollars has been bequeathed to the College, "the income of which shall be given to the best scholar, throughout the entire collegiate course, in Modern Languages."

VII. PRIZE FOR GENERAL IMPROVEMENT. A prize of *forty* dollars, given by JAMES W. GRIMES, LL.D., is annually awarded to "that member of the Senior or Graduating Class, who, in the judgment of the College Faculty, has made the most satisfactory progress during his College course, taking into consideration his preparation for the course when he entered."

VIII. MECHANICAL DRAWING. Two prizes, of *fifteen* and *ten* dollars respectively, are offered by CHARLES R. SPALDING, B.S., of Chicago, to the members of the Junior Class (Chandler Scientific Course), for the best sets of Mechanical Drawings, comprising Isometrical, Tinted, and Descriptive Geometry Drawings, and Surveying Plots.

THE BENJAMIN F. BARGE PRIZE. Through the recent gift of $2,500 by Mr. Benjamin F. Barge of Mauch Chunk, Pennsylvania, a graduate of Yale, but a member for one year of the Class of '57, Dartmouth, a gold medal of the value of $100, is to be awarded annually "to that member of the Senior Class in any collegiate department or course, who, in competition therefor, shall write and pronounce in public an English oration in the best manner."

It is further provided in the deed of gift that "the said medal shall be awarded after a public competition therefor presided over by three persons, selected annually, constituting the committee of award, one of whom shall be a member of the Faculty, or an Alumnus of Dartmouth College, another a Law Judge from any part of the United States, both of whom shall be chosen by the Faculty of the College. The third shall be selected by the two already chosen, but if they fail to appoint a third member in time for him to act, then the Faculty of the College shall supply the vacancy. The competition shall be held on such day during the Commencement week as the Faculty of the College may appoint, or upon such day as they may deem more significant. The first prize is to be competed for in 1902."

Notice will be given of the method by which members of the Senior Class may enter upon the competition for the above prize.

COLLEGE BILLS

[*Extracts from the "Laws of the Trustees"*]

Chapter IX. 1. "Each student shall be charged for tuition one hundred and ten dollars, to *include* Library dues and membership in College Hall, see page 176. Room-rent in the College dormitories will be determined by choice of rooms, heat, care, etc."

2. "The College bills of each year are to be paid in two equal instalments. The first payment is due at the beginning of the first Semester (students entering College pay first charge for tuition before matriculation); the second on March 10 succeeding. Any delay in payment beyond seven days from these dates, without excuse from the Dean, shall subject the student to loss of standing. Any students failing to make payment within this time shall be entered upon the books of the treasurer as delinquents, and shall be so reported to the Dean, and notification of the delinquency shall be given to parents or guardians."

3. "No students shall be dismissed from College on request unless he shall have paid all his College bills, including the current Semester; nor shall any student be entitled to a degree until all his College bills are discharged."

Entering students who have been granted scholarship aid will be credited with $25 on their tuition bill of the first Semester, leaving $30, balance of tuition, to be paid before matriculation; if the scholarship of such student, to be determined at the end of the first Semester, entitles him to a larger credit, allowance will be made upon the term bill of the second Semester.

Students receiving scholarship aid to the amount of $50 will pay $30 tuition each Semester.

Students receiving scholarship aid to the amount of $75 will pay $17.50 tuition each Semester.

Students receiving scholarship aid to the amount of $85 will pay $12.50 tuition each Semester.

All students not receiving scholarship aid will pay $55 tuition each Semester.

The laboratory fee in the department of Biology is $3 for each course.

The laboratory fee in the department of Physics is $3 for each course in Junior year and $5 for each later course.

The laboratory fee in the department of Chemistry is as follows: Course 2, $2; Courses 3 and 4, $4; Courses 5, 6, 7, 8, $4, each.

The laboratory fee in the department of Mineralogy is $3 for each course.

Room-rent is payable in two instalments, one half at the beginning of the first Semester and one half on March 10 succeeding.

Electric lights, 16 candle-power, including lamps, are furnished at $7 a year per lamp.

EXPENSES

Expenses may be estimated as follows:

Tuition, including Library dues and membership in College Hall	$110.00	to	$110.00
Text-books	10.00	to	20.00
Laboratory Fees (if courses elected)	6.00	to	15.00
Room-Rent	10.00	to	150.00
Fuel and lights	16.00	to	45.00
Board from $3.00 to $5.00 a week	108.00	to	180.00
Washing	15.00	to	30.00
	$275.00	to	$550.00

Room-rent, fuel, and lights are estimated on the supposition that two students occupy the same room.

Other incidental expenses, such as furniture, expenses in societies, class-taxes, travelling expenses, etc., vary according to circumstances, and with the character and habits of the individual, and are not included in the above estimate.

No one is advised to attempt a college education until he can assure himself through the aid of friends or through his own previous earnings of a sufficient amount to meet the expenses of the first year. The opportunities for self-help increase during one's college course; it is very rarely the case that one may expect to secure such employment at the beginning as will enable him to meet his expenses.

DORMITORIES

The dormitories of the College accommodate about five hundred students. There are seventy-five single rooms, one hundred and ninety suites for two, and twenty suites for three.

The dormitories are of two kinds, — those heated by steam, with janitor service; and those heated by steam, without janitor service.

In the first class are: Reed Hall, with nineteen rooms in suites for two or three, accommodating forty-four students; the Sanborn House, erected in 1894, with single rooms and with suites for two, accommodating fifty students; the Crosby House, erected in 1896, with single rooms and suites for two or three, with separate bedrooms, accommodating forty students; Richardson Hall, erected in 1897, with single rooms, and suites for one or two, accommodating fifty-six students; Hubbard House, first occupied in 1899, and accommodating thirteen students; Fayerweather Hall, erected in 1900, with single rooms, and suites for one, two, or three, accommodating eighty students; and College Hall, erected in 1901, with single and double rooms accommodating about fifty students.

In the second class is Hallgarten Hall with an annex, arranged in single rooms, and in suites for two, three, or four, accommodating forty students; Thornton Hall, with single and double rooms, accommodating forty-five students; Wentworth Hall, with double rooms accommodating forty-five students; Dartmouth Hall accommo-

dating twenty-five students; and Elm House with accommodations for twenty-two students.

The first floor of College Hall is devoted to club rooms, making it the social headquarters of the College; an extension furnishes ample accommodation for the "Commons." The Hall is provided with set bowls and water-closets in the basement, and with bath-rooms and water-closets on the second and third floors.

Richardson Hall is provided with fireplaces in most of the suites, and in a few suites with bath-rooms; there are bath-rooms and water-closets on each floor; Crosby House is provided in nearly all its suites with fireplaces, and is furnished with bath-rooms and water-closets on each floor; Fayerweather Hall is furnished with bath-rooms and water-closets on each floor, in each of the three sections, and with shower-baths in the basement of each section. Sanborn House is furnished with bath-rooms and water-closets on each floor; Hallgarten Hall with bath-rooms and water-closets on the second floor; Reed Hall with bath-rooms and water-closets on the second floor; Thornton and Wentworth Halls with bath-rooms and water-closets on first floor; Dartmouth Hall is also furnished with water-closets in the basement at either end, and Elm House with bath and water-closets in basement.

All rooms in the College buildings, except College Hall, are unfurnished.

PRICES OF ROOMS IN THE COLLEGE BUILDINGS,

1901–1902

DARTMOUTH HALL, with steam-heat, without care.

Rooms for one occupant, No. 4, $50; No. 6, $56; No. 12, $60.

Rooms for two occupants, No. 4, $60; Nos. 2, 6, 8, 10, $70; Nos. 3, 5, 9, $74; No. 12, $76; Nos. 1, 11, $80; No. 7, $84.

Rooms for three occupants, No. 10, $81; No. 5, $84; No. 11, $96; No. 7, $102.

THORNTON HALL, with steam-heat, without care.

Rooms for one occupant, No. 3, $48; Nos. 4, 7a, 12, $50 Nos. 14, 22, $54; Nos. 5, 20, $56; No. 11, $58; Nos. 16, 24, $60; No. 7b, $62; No. 10, $66; No. 18, $68; Nos. 13, 15, 17, 19, 21, 23, $70; No. 9, $72.

Rooms for two occupants, Nos. 12, 14, 20, 22, $70; Nos. 16, 24, $76; Nos. 7b, 11, $80; No. 18, $82; No. 10, $84; Nos. 8, 13, 15, 17, 19, 21, 23, $86; No. 2, $92; Nos. 1, 9, $96.

Rooms for three occupants, Nos. 22 and 24, $129; Nos. 10 and 12, 18 and 20, $138; Nos. 9 and 11, $152; Nos. 13 and 15, 17 and 19, 21 and 23, $156.

WENTWORTH HALL, with steam-heat, without care.

Rooms for one occupant, Nos. 14, 22, $54; No. 12, $55; Nos. 20, $56; Nos. 16, 24, $60; Nos. 1, 2, 3, 5, 7, $65; No. 10, $66; No. 18, $68; Nos. 9, 11, 13, 15, 17, 19, 21, 23, $70.

Rooms for two occupants, Nos. 14, 22, $70; Nos. 4, 12, 20, $72; Nos. 16, 24, $76; No. 2, $80; Nos. 1, 3, 5, 7, 18, $82; Nos. 10, 19, 21, 23, $84; Nos. 9, 11, 13, 15, 17 $86.

Rooms for three occupants, Nos. 22 and 24, $129; Nos. 2 and 4, 10 and 12, 18 and 20, $138; Nos. 1 and 3, 5 and 7, $144, Nos. 21 and 23, $154; Nos. 9 and 11, 13 and 15, 17 and 19, $156.

ELM HOUSE, with heat, without care.

Rooms for one occupant, No. 11, $30; Nos. 3, 12, $40; No. 8, $45; No. 13, $50.

Rooms for two occupants, No. 13, $70; Nos. 4, 5, 9, $90; Nos. 1, 10, $100; Nos. 2, 7, $110.

HALLGARTEN HALL, with steam-heat, without care.

Rooms for one occupant, Nos. 16, 19, 27, 28, 29, 30, $30; No. 26, $40; No. 9, $44; Nos. 15, 17, 18, 20, 21, 23, $55.

Rooms for two occupants, Nos. 27 and 29, 28 and 30, $60; Nos. 21, 23, $75; Nos. 15, 17, 18, 20, $80; No. 22, $90; Nos. 5, 7, 11, 13, $96; Nos. 8, 10, 12, 14, $100; No. 24, $110; Nos. 21 and 23, $110; Nos. 9 and 12, $136; Nos. 24 and 26, $140.

Rooms for three occupants, Nos. 21 and 23, $135; Nos. 9 and 12, $144; Nos. 24 and 26, $150; Nos. 5 and 7, 11 and 13, $180; Nos. 8 and 10, 12 and 14, $186.

REED HALL, with steam-heat and care.

Rooms for one occupant, No. 12, $56; No. 18, $96.

Rooms for two occupants, No. 4, $100; No. 3, $102; Nos. 5, 6, $106; Nos. 1, 2, 7, 8, 9, 10, $110; No. 16, $114; No. 11, $116; No. 14, $120; Nos. 18, 19, $122; No. 15, $124; No. 17, $130; No. 13, $132.

Rooms for three occupants, Nos. 7, 8, $135; No. 15, $162; No. 17, $165; No. 13, $168.

SANBORN HOUSE, with steam-heat and care.

Rooms for one occupant, Nos. 25, 27, $50; Nos. 26, 28, A, $60; Nos. 10, 18, 29, $70; No. 17, $90; Nos. 2, 19, 21, 23, $100; Nos. 9, 20, 22, 24, $110; Nos. 3, 5, 7, 11, 13, 15, $120; Nos. 1, 4, 6, 8, 12, 14, 16, $130.

Rooms for two occupants, No. 29, $90; Nos. 10, 18, $110; Nos. 17, 19, 21, 23, $120; Nos. 2, 9, 20, 22, 24, $130; Nos. 3, 5, 7, 11, 13, 15, $140; Nos. 1, 4, 6, 8, 12, 14, 16, $150.

CROSBY HOUSE, with steam-heat and care.

Rooms for one occupant, No. 23, $50; No. 17, $100; Nos. 16, 22, $120; No. 7, $130; No. 14, $140.

Rooms for two occupants, No. 17, $120; Nos. 16, 22, $140; No. 7, $150; Nos. 1, 14, 19, 21, $160; Nos. 3, 9, $170; Nos. 2, 11, 13, 15, 18, $180; No. 4, $190; Nos. 5, 10, 21, $200; Nos. 6, 8, 13, 20, $220; No. 12, $240.

Room for three occupants, No. 8, $270.

RICHARDSON HALL, with steam-heat and care.

Rooms for one occupant, No. 22, $50; No. 13, $60; Nos. 1, 2, 28, $100; Nos. 10, 27, $110; No. 18, $120; Nos. 9, 19, $130.

Rooms for two occupants, Nos. 1, 2, 23, 24, $130; Nos. 5, 6, 14, 15, $150; No. 4, $180; No. 3, $200; No. 30, $210; Nos. 25, 26, 29, $220; Nos. 7, 8, 12, 16, 17, $250; Nos. 11, 20, $260; No. 21, $280.

Rooms for three occupants, Nos. 18 and 20, $375; Nos. 19 and 21, $410.

FAYERWEATHER HALL, with steam-heat and care.

Rooms for one occupant, No. 36, $40; Nos. 24, 29, $50; Nos. 39, 40, $70; Nos. 45, 46, 51, 52, $75; Nos. 3, 4, 9, 10, 15, 16, $80; Nos. 2, 38, $85; No. 41, $90; Nos. 47, 53, $95; Nos. 1, 5, 11, 17, 19, 37, $100; Nos. 6, 7, 20, 21, 42, $110; No. 12, $120.

Rooms for two occupants, Nos. 33, 34, $80; No. 35, $100; Nos. 1, 19, 37, $120; Nos. 6, 7, 13, 20, 21, 23, 28, 42, 43, 49, $130; Nos. 12, 18, 25, 26, 30, 31, 48, 54, $140; No. 22, $150; Nos. 8, 14, 27, 32, 44, 50, $160.

COLLEGE HALL, with steam-heat and care.

Rooms for one occupant, Nos. 15, 29, $45; Nos. 12, 26, $50; Nos.

1, 9, $55; Nos. 13, 27, $60; No. 23, $65; Nos. 10, 24, $85; Nos. 11, 14, 25, 28, $90.

Rooms for two occupants, No. 8, $100; No. 22, $110; No. 7, $160; No. 21, $170; Nos. 2, 4, 5, 16, $180; Nos. 18, 19, $190; Nos. 6, 20, $200; No. 3, $220; No. 17, $250.

Room for three occupants, No. 17, $330.

A diagram giving the location of each room or suite of rooms, with dimensions, number of occupants allowed, and price, will be sent upon application to the Dean.

COLLEGE HALL

The Trustees have erected during the year a building for the social uses of the College. It is situated at the corner of Main and Wheelock Streets, with a frontage of eighty feet on the Campus and one hundred and twenty feet on Wheelock Street. The building carries an extension for a dining hall fifty feet by eighty-five, finished into the roof, capable of providing for three hundred students. College Hall is designed to be the social headquarters of the College. It is open to all students, to members of the Faculty, and to the alumni. Through the provision made for Commons, it complements the dormitory system. The lower floor is conveniently divided into club rooms, accommodating the various College organizations. These rooms are also accessible to the general dining hall, and may be used by the alumni at Commencement, or at other times for class suppers. The second and third floors are arranged in suites of rooms for the ordinary use of students during term time and for the use of the alumni at Commencement. On account of this latter use, they are supplied with the necessary articles of furniture. A few rooms on the second floor are reserved for the Alumni who may wish to visit the College during the year. The building is heated by steam from the central heating station, and is properly supplied with bath-rooms.

THE LIBRARY

In its several collections, the College Library represents the accumulations of a century and a quarter. It originated in valuable gifts of books to the first President from English and Scotch societies for promoting religious knowledge; also, from the Rev. John Erskine, Mr. William Dickinson, and others. Similar benefactions have followed, among the more important of which are the Johnson, Phillips, Shattuck, Shurtleff, Parker, Smith, Appleton, Bond, Grimes, and Chamberlain donations.

For many years separate libraries were sustained and managed by the public literary societies of the students, known as the Social Friends and the United Fraternity. The Philotechnic Society, organized at a later date among the students of the Chandler School, also made important additions to these collections.

In 1874 the different libraries were consolidated, and put under the control of the College, but the principle of voluntary contribution, by which the collections were so largely gathered, is still maintained, and the annual sum of six dollars is collected from each student, for convenience, with the tuition. According to the agreement through which this annual assessment is made, the selection of books to the value of several hundred dollars yearly is entrusted to a committee of the Seniors.

The main collection, numbering about 85,000 volumes and 20,000 pamphlets, with a large accumulation of newspapers and manuscripts, is in Wilson Hall, a commodious and convenient fire-proof building constructed after approved plans of library architecture. The building is heated by steam, elaborately ventilated, and, including the stack-room, lighted by electricity. The books are arranged according to the "expansive system," so modified as to correspond as nearly as possible to the departments of instruction in the College. There is a card catalogue of authors, and also a classed catalogue of subjects arranged by titles.

The departmental reference library, which consists of books reserved for collateral readings in the various courses, occupies two rooms adjacent to the stack, and is open forenoon and evening. Books from this department are loaned for the night and ensuing forenoon.

Wilson Hall also contains a large and attractive reading room, well stocked with general reference books. The art gallery, which con-

tains over one hundred portraits in oil, has recently been fitted with shelving of the latest pattern, supplied with convenient tables, and made available as a periodical reading room. Here are also kept the bound files of popular magazines. The library possesses a good collection of photographs for the illustration of art and archæology, coins, curios, etc.

There are department libraries at the Medical School, the Tuck School, the Observatory, the Thayer School building, the Y. M. C. A. Rooms, as well as in the Physical, Chemical, Geological, Botanical, and Zoölogical Laboratories, and in the rooms occupied by the departments of Greek, Latin, and Social Science.

The rooms in Wilson Hall formerly used for offices of college administration are now used for collections on the subject of education, for the special benefit of the Faculty.

Books may be drawn for two weeks, excepting certain volumes so indicated, which have been added during the college year, and may be retained but one week. Undergraduates may have four books at a time; resident graduate students, ten; alumni, four. Persons not connected with the college may use the Library upon the payment of four dollars yearly.

The reading and reference rooms are open on week days from 8 A.M. to 10 P.M.; on Sunday the reading room is open from 1.30 to 5.30 P.M.

The Library is open for drawing books from 9 A.M. to 12 M., and from 1 to 5 P.M.

Special attention is given to bibliology by courses of instruction, supervision of courses of reading, and personal assistance.

SCIENTIFIC EQUIPMENT

BUTTERFIELD MUSEUM

By the will of the late Ralph Butterfield, M.D., of Kansas City, of the Class of 1839, the College was made the residuary legatee of his estate, in a sum estimated at one hundred and sixty thousand dollars, "for the purpose of founding and forever maintaining a chair and professorship for the purpose of lectures, recitations, and general

instruction in paleontology, archæology, ethnology, and other kindred subjects; and for the erection of a building to cost not less than thirty thousand dollars, for the purpose of keeping, preserving, and exhibiting specimens illustrating the aforesaid branches. It is to be optional with the Trustees either to establish a professorship or a series of lectures at stated periods, on the subjects mentioned."

In accordance with the expressed wish of the donor, the Butterfield Museum, a granite and Roman brick structure, one hundred and forty-five by fifty-five feet in dimension, of three stories and a basement, has been erected, and is now occupied by the various departments indicated in the above bequest. Special facilities are offered for instruction in Geology and Mineralogy, in Zoölogy and Botany, and in Archæology and Sociology.

The collections in Geology and Biology are arranged in the Butterfield Museum. They consist of the Frederick Hall collection of minerals and rocks, the Henry Fairbanks collection of birds and insects, restorations of large extinct animals, an extensive herbarium, collections illustrative of archæology, conchology, economic geology, and numerous other specimens, besides topographical models, and a special collection of the rocks of New Hampshire and Vermont, gathered under the auspices of the Geological Survey of New Hampshire. During the year a collection of great value, comprising fifteen hundred specimens of gold, silver, copper, lead, and zinc ores from a section of Montana, forming a complete history of the mineral development of the region, has been presented to the Museum by Clinton H. Moore, Class of 1874, of Butte, Montana.

The main Biological Laboratory is a large room eighty-four by thirty feet, on the north side of the first floor. It is used for the elementary biology courses and for the courses in histology. A similar room in the basement is used for the work in mammalian anatomy and in the comparative anatomy of vertebrates. Adjoining this laboratory is a thoroughly equipped macerating-room. At the west end of the first floor is the laboratory for the embryology course and for the advanced workers. At the east end is a lecture room, and also a Botanical Laboratory.

In addition to the above named rooms are five private rooms for instructors, a chemical room, two storerooms, and in the basement a room for live animals and the herbarium. All the laboratories are well equipped with the apparatus necessary for practical biological work.

PHYSICAL LABORATORY

The Wilder Laboratory, the gift of the late Mr. Charles T. Wilder of Wellesley, Mass., has been occupied since its completion in the summer of 1899 by the department of Physics. The building has a frontage of one hundred and seven feet, and a depth of fifty-six feet, and a rear projection of fifty-five by thirty-five feet.

The laboratories, lecture and recitation rooms occupy three stories and a basement. The basement contains a well equipped workshop and a dynamo room, magnetic and electrical laboratories, a storage battery room, and a laboratory for constant temperature experiments. A large lecture room (seating 200 persons), arranged for lantern projection, and equipped with many conveniences for the purpose of general lectures in physics, is on the first floor. The floor is further divided into offices for the members of the department, two recitation rooms, an electrical laboratory, and an apparatus room. The general laboratory provided for students in the first course in practical physics occupies a section of the second and third floors. The remainder of these floors is given up to the departmental libraries in physics and astronomy, two apparatus rooms, a chemical kitchen, two suites of rooms for assistants in the department, an unpacking room, and eleven laboratories planned with reference to special work in optics, spectrometry, photometry, photography, acoustics, electric waves, and the heat spectrum.

The building is heated by steam (both direct and indirect radiation) and lighted by electricity. It is supplied, throughout, with water, illuminating gas, and air under pressure; and a part of the building is provided with connections for oxygen and hydrogen gases. The laboratories and lecture rooms are connected by separate circuits with a large switchboard in the basement so that the electrical power of the generators and storage battery is accessible to all parts of the building. Each room is further provided with a separate signal circuit connecting it with a telephone switchboard on the second floor so that time signals may be sent, and other electric communication is easily possible between different parts of the building.

The equipment of the department with instruments and apparatus is being carried forward by the income from funds left the department by Mr. Wilder. The present equipment is adequate for the needs of the lectures in general physics, the junior course in practical physics, and for the advanced courses which are offered.

The nearness of the physical laboratory to the astronomical observatory affords to either department the resources of the other.

OBSERVATORY

The Shattuck Astronomical and Meteorological Observatory is used for the purposes of instruction. It is provided with the instruments necessary to a complete observatory, including a telescope by Clark, having an aperture of 9.4 inches, and a focal length of 12 feet, with a spectroscope of the highest power and best construction, a four-inch meridian circle, etc.

CHEMICAL LABORATORY

The Chemical Laboratories occupy the whole of the first and about half of the second floor of Culver Hall. The large northeast room on the second floor has been equipped with about forty new tables for quantitative work, and the balances and library have been transferred to adjoining rooms. In all courses, chemistry is taught by laboratory work, enforced by informal lectures, demonstrations, and short recitations.

CHANDLER HALL

Through the bequest of the late Frank Willis Daniels, of the Class of 1868, Chandler Hall, recently known as Moor Hall, has been purchased, reconstructed, and enlarged, and fitted for the special uses of the departments of Mathematics and Graphics. The first floor furnishes a large lecture-room, accommodating over two hundred persons, and rooms for the elementary courses in engineering; the second floor provides four well-arranged rooms for recitation work in mathematics, with private offices for the instructors; the third floor furnishes two rooms for recitations, and a large room for mechanical drawing, with lighting from above.

The basement is devoted to testing and experimental work in the department of Engineering.

RELIGIOUS SERVICES

Prayers are conducted by the President each week-day morning in Rollins Chapel, and a vesper service is held on Sunday. All undergraduate students are required to be present.

The services of public worship, conducted by some member of the Board of Preachers, are held on Sunday mornings in the College Church. The preacher of the day is also at Bartlett Hall at four-thirty o'clock on Sunday afternoons to meet personally any students who may desire a conference with him.

Any student desiring to attend some other church in place of the College Church may indicate his choice at the time of registration. If a change is desired, after the choice has been made, permission must be gained from the Dean.

The Trustees have erected, for the use of the College Young Men's Christian Association, a large and carefully planned building, known as Bartlett Hall, providing a large audience hall and a reading-room, with rooms and ample facilities for Bible-classes, prayer-meetings, receptions, and social intercourse.

PHYSICAL CULTURE

This department is in charge of an Instructor and a Medical Director.

The Medical Director lectures on Physiology and Hygiene to the Freshman class during the first Semester. All candidates for the Athletic Teams must be examined by the Medical Director before they can be accepted as members of a team, and each team is under medical supervision during the period in which it is engaged in sports.

The Instructor in Physical Culture who is also Director of the Gymnasium takes the measurement of all students entering College, and conducts the Gymnastic exercises for the Freshman Class during the winter months. The Gymnasium and Athletic Field are in his charge.

GYMNASIUM. This building, erected by the munificence of GEORGE H. BISSELL, Class of 1845, is supplied with necessary apparatus. It

has been refitted on the first floor with the latest improvements in shower and tub baths, closets, and lockers. It is open daily for the use of the students, and during the winter season a regular exercise is required of all members of the Freshman class, and voluntary divisions are formed among members of the other classes. The aim is to reach the large body of students who do not enter into athletic contests, rather than to train athletes.

ALUMNI ATHLETIC FIELD. Through the generous contributions of many of the Alumni, an admirable athletic field, with all the modern improvements, has recently been laid out near the College buildings. It is provided with all the necessary facilities for base-ball, foot-ball, track athletics, and tennis; including a grand-stand seating six hundred spectators and containing dressing-rooms and shower-baths for the use of the students.

The general supervision of athletics in the College is committed to an Athletic Council, consisting of three non-resident Alumni, three members of the Faculty, and three undergraduates.

SANITARY CONDITIONS

The precinct of Hanover is healthfully situated upon a plain two hundred feet above the valley of the Connecticut. A system of waterworks, recently established at an expense of $65,000, furnishes, in connection with the aqueduct before in use, an ample supply of water for all purposes. The precinct is also supplied with a thorough system of sewers.

In 1898 the College adopted the method of heating its buildings from a central station, and constructed a plant on the most approved plan at a cost of $50,000; eighteen of its buildings, dormitories, and recitation halls are heated in this way, ensuring a nearly equable temperature.

In case of illness, the Mary Hitchcock Memorial Hospital, constructed upon the latest modern plans, and widely known, since

its opening in 1893, as one of the best cottage hospitals in the country, furnishes the students such care and comfort as is seldom found outside of the larger cities.

RAILROAD CONNECTIONS

The railroad station is known as Norwich and Hanover, on the Passumpsic Division of the Boston and Maine Railroad. White River Junction, four miles south of Hanover, is the centre of four lines of railroads: the Concord Division (Boston and Maine system), making connection with Concord, Manchester, Nashua, Lowell, and Boston (four hours and forty minutes to Boston); the Central Vermont Railroad and the Connecticut River Division (B. and M. R. R.), making connection with Springfield, Hartford, New Haven, and New York (eight hours to New York); and also connecting at Greenfield (Fitchburg R. R.) and Springfield (Boston and Albany R. R.) for the West; the Central Vermont Railroad, making connection with Montpelier, Burlington, and the West (thirty hours to Chicago); the Passumpsic Division (B. and M. R. R.), making connection with Wells River, St. Johnsbury, Montreal, and Quebec (eight hours to Montreal).

SUMMER SCHOOL

A Summer School in charge of members of the Faculty has been established.

The principal object is to furnish instruction to teachers in grammar and high schools and academies, but the courses are also open to others who are qualified to take them.

The aim is to secure a thorough knowledge of the subjects of instruction, so far as possible, and to furnish a sound basis for future work and study. Whatever is of interest to teachers is borne in mind in the planning and carrying on of all the courses.

The courses are progressive, and college courses in some subjects may be taken in a series of sessions. Some advanced work is done in each course and written examinations are offered, not required.

COURSES OF INSTRUCTION OFFERED IN 1902

EDUCATION AND TEACHING. — PROFESSOR HORNE

PSYCHOLOGY AND TEACHING. The science of psychology applied to the art of teaching. This will be a double course consisting of a series of forty-eight lectures on the method of teaching, with a brief introduction on the nature of mind and the means by which it is educated. The course is intended to furnish teachers a scientific basis for their schoolroom work. This is substantially Course 2 page 135.

HISTORY — PROFESSOR ABBOTT

1. ENGLISH HISTORY. A general survey of the whole period, in which stress will be laid on the development since the Norman Conquest, and in particular on the expansion of England into the British Empire. Lectures, reports, and conferences.

2. AMERICAN HISTORY. A general survey of the whole period, in which stress will be laid on the 19th century and much attention will be paid to the history of the Civil War and Reconstruction epoch and the ensuing development to 1896. Lectures, reports, and conferences.

SOCIAL SCIENCE — PROFESSOR DIXON OR DR. WICKER

1. Outlines of economic theory, with discussion of socio-economic topics. The course will be based on a recognition of the growing interest in concrete economic problems, and will be so arranged as to assist the teacher in material and method, and lay foundations for the independent study of such problems.

2. Civil Government, for teachers and advanced students. The political framework of the United States government, and political problems arising from American conditions will be the basis of the work; both will be studied in the light of historical development and European experience.

ENGLISH — PROFESSOR EMERY OR MR. KEYES

(*a*) English Literature. The works chosen for study will be mainly those required for entrance to College. The object of the course is to ensure acquaintance with the literature itself and to fix some general standards of criticism.

(*b*) Composition and Rhetoric. An introduction to the study of Rhetoric, with practice in theme correcting.

(*c*) Courses and Methods of Teaching English.

(*d*) Readings from Shakespeare.

FRENCH — MR. SKINNER

1. Phonetics of French; careful practice in pronunciation; composition and conversation; translation and rapid reading of texts; discussion of problems of teaching French; direction in private literary study.

2. A more advanced course with special instruction in bibliography and use of the library.

GERMAN — DR. HARDY

1. Composition; conversation; reading of contemporary German prose; discussion of methods of teaching German.

2. Advanced work, writing themes in German or careful study of some selected piece of literature.

LATIN — PROFESSOR J. K. LORD

1. (*a*) Lectures on the following topics:

The Latin alphabet; its sounds; hidden quantity; pronunciation; sight reading; political and literary conditions of Rome in the first century B.C.

(*b*) Interpretation and discussion of passages from Cicero or Vergil with special reference to the work of the preparatory schools.

2. Reading of some Latin author.

GREEK — MR. HUSBAND

The course begins with a review of the Greek Reader; the class discuss methods of teaching, pronunciation, vocabulary, noun and verb forms, and syntax; much attention is given to methods of review and of rapid working; practical teaching exercises are given by members of the class. The instructor gives a review of the more difficult principles of Greek Syntax.

COMPARATIVE PHILOLOGY — MR. HUSBAND

The relation between Greek and Latin. Development of case and verb systems. The history of the formation and loss of inflections. Principles of Etymology and Phonology.

MATHEMATICS — PROFESSOR WORTHEN

1. Course for teachers. Outlines of Arithmetic, Algebra, Plane and Solid Geometry, with discussion of methods. Graphic Algebra, and Algebraic Geometry.

2. Analytic Geometry. Course 5, page 106, may be completed if only one course is taken.

3. Differential Calculus. Courses 9 and 10, page 106 may be completed if only one course is taken.

PHYSICS — PROFESSOR NICHOLS OR PROFESSOR HULL

The purpose of the courses are three-fold; to serve as a rapid review to those already familiar with general Physics, to broaden the student's previous knowledge, and to illustrate methods of clear and forcible presentation of the fundamental principles of Physics. The

courses will consist in large part of laboratory work in quantitative illustration of the more important laws, and in practice in methods of accurate measurement. The laboratory work in each case can be adapted to the preparation and needs of the individual student.

CHEMISTRY — PROFESSOR BARTLETT WITH ASSISTANTS

1. Elementary Chemistry, with laboratory work corresponding to course 2, page 113.
2. Qualitative analysis.
3. Special course for teachers: discussion of methods, preparation of reagents, inorganic preparations, experiments of some complexity with demonstrations by the student before the class. Quantitative experiments.

BOTANY — MR. LYMAN

The course in Botany is designed to give a general survey of the vegetable kingdom. The morphology and development of as many types as possible will be worked out in the laboratory, and in the lectures particular attention will be paid to the evolution of plants, to their physiological activities, and to their economic uses. Directions will be given for the collection, preservation, etc., of various forms, and field excursions will give opportunity for ecological study. There will also be opportunity for work along especial lines.

Other courses will be given if a sufficient number of applications for them is received before June 15.

Some courses may not be given when less than five applications for them are received before June 15.

EVENING LECTURES

During the session a series of lectures will be given on Monday and Wednesday evenings.

LIST OF SPEAKERS AND SUBJECTS

Professor J. K. Lord, "Social Life of the Romans."

Professor E. J. Bartlett, "The Place of Chemistry in Modern Education."

Professor D. C. Wells, "Geography and Man."

Dr. G. D Frost, "The Physical Rights of the Individual Student."

Professor F. P. Emery, "Some Phases of Early American Literature."

Professor F. H. Dixon, "Political and Economical Significance of an Isthmian Canal."

Professor W. C. Abbott, "The Study of History."

Professor G. F. Hull, "Electrical Waves with Application to Wireless Telegraphy, Experimental Illustrations."

Professor H. H. Horne, "Progress in Animal and Social Psychology in the Nineteenth Century."

Instructor R. W. Husband, "Laws Governing Change in Language."

The libraries, reading and reference rooms, museum, and gymnasium are open to students of the Summer School.

The tuition fee is $15 for a single course, or $20 for two or more courses for the session, and there is a small additional fee for laboratory courses.

The next session will open July 7, and close Aug. 8, 1902. A circular containing a more extended description of the courses will be issued early in the new year.

For further information, address Professor T. W. D. Worthen, Director.

THE AMOS TUCK SCHOOL OF ADMINISTRATION AND FINANCE

THE AMOS TUCK SCHOOL OF ADMINISTRATION AND FINANCE

FACULTY

WILLIAM JEWETT TUCKER, D.D., LL.D., *President.*

JAMES FAIRBANKS COLBY, A.M., LL.B., *Parker Professor of Law and Political Science.*
(Constitutional and International Law.)

JUSTIN HARVEY SMITH, A.M., *Professor of Modern History.*
(Modern History and Diplomacy.)

DAVID COLLIN WELLS, A.B., *Professor of Sociology.*
(Geography and Labor Problems.)

WARREN AUSTIN ADAMS, Ph.D., *Assistant Professor of German.*
(German Composition and Conversation.)

GEORGE RAY WICKER, Ph.D., *Instructor in Economics.*
(Finance and Statistics.)

FRANK HAIGH DIXON, Ph.D., SECRETARY *and Assistant Professor of Economics.*
(Transportation, Finance, and Business Organization.)

WILBUR CORTEZ ABBOTT, B. Litt., (Oxon.) *Assistant Professor of History.*
(English History.)

JOHN ELIOT ALLEN, A.B., LL.B., *Instructor in Law.*
(Commercial and Corporation Law.)

PRESCOTT ORDE SKINNER, A.M., *Instructor in French and Spanish.*
(French and Spanish Composition and Conversation.)

HOMER EATON KEYES, B.L., *Instructor in English.*
(Commercial Correspondence.)

LECTURERS AND INSTRUCTORS FOR THE YEAR 1901–1902

EDWIN JULIUS BARTLETT, A.M., M.D., New Hampshire Professor of Chemistry, Dartmouth College.
Economic Chemistry.

CHARLES HENRY RICHARDSON, Ph.D., Instructor in Chemistry and Mineralogy, Dartmouth College.
Economic Mineralogy.

CHARLES ARTHUR HOLDEN, C.E., Instructor in Surveying in the Thayer School of Civil Engineering.
Materials of Construction and Motors.

GEORGE THOMAS MOORE, Ph.D., United States Department of Agriculture.
Economic Botany.

ROBERT ARCHEY WOODS, A.B., Head of the South End House, Boston, Mass.
Municipal Administration.

JOSEPH AREND DEBOER, A M., Actuary of the National Life Insurance Company, Montpelier, Vt.
Theory and Practice of Life Insurance.

MARSHALL PUTNAM THOMPSON, A.B., LL.B., Lawyer, Boston, Mass.
International Commercial Law.

JAMES SHIRLEY EATON, A.M., Statistician of the Lehigh Valley Railroad Company, New York City.
Theory and Practice of Railroad Accounting.

ALFRED LAWRENCE RIPLEY, A.M., Vice-President of the National Hide and Leather Bank, Boston, Mass.
Stock and Money Markets.

JAMES LOGAN, General Manager of the United States Envelope Company, Worcester, Mass.
Business Methods.

GERALD WYMAN, A.B., A.M., Professional Accountant, Boston, Mass.
Accounts and Accounting.

EDWARD PARKHURST COMINS, Public Accountant, Boston, Mass.
Accounting and Auditing.

Under the terms of the Amos Tuck Endowment Fund, the gift by Mr. Edward Tuck of the Class of 1862, of the sum of three hundred thousand dollars as a memorial to his father, the Honorable Amos Tuck of the Class of 1835, and a Trustee of the College from 1857 to 1866, especial provision was made for the "establishment of additional professorships within the College proper or in graduate departments." In accordance with this provision of the endowment fund for additional instruction in undergraduate and graduate courses, and with the direct approval of the donor, the Trustees of Dartmouth College have created the Amos Tuck School of Administration and Finance.

By a second gift of one hundred thousand dollars Mr. Tuck has made provision for the erection and maintenance of a building for the uses of the School. It is expected that the building will be ready for occupancy in the Academic year 1902–1903.

AIM OF THE SCHOOL

It has become evident that business to-day demands an increase in the number of well-trained and broad-minded men engaged in its service. The intense rivalry which characterizes industrial affairs, requires the presence of men of keen insight, solid ability, and the strictest integrity. The analysis of the causes of frequent failures in business leads to the conclusion that these qualities are still too uncommon. In foreign dealings as well as domestic, such men must take the lead if the United States is to hold its own and still further

advance its position in the struggle for markets. The increased complexities that have accompanied the industrial development of the United States; the specialization in many departments which has transformed them into scientific pursuits and necessitated thorough technical equipment; above all, the accumulations of capital devoted to specific enterprises and the distribution of this capital through stock issues to investors of moderate means, have increased responsibility to such an extent that the necessity for the best training that our educational institutions can provide scarcely needs demonstration.

The courses of the Tuck School are designed to prepare men for those more modern forms of business which have become so exacting as to require the same quality of academic training as the older professions. While the School does not hope that such training as it can offer will take the place of apprenticeship in any business, it does expect that the trained man will enter upon his chosen career with such an intelligent grasp of the principles that underlie a given industry and with such a practical knowledge of its workings, that he will be able to shorten materially the probationary period, and advance to a position of responsibility and efficiency otherwise unattainable. That business is "practical" does not preclude the teaching of the principles of business in a scientific manner, and the rapid progress which many departments of industrial activity are making toward places of assured scientific standing makes the problem of satisfactory instruction an increasingly simple one.

The assertion often made that the College unfits men for business is in part true. It has sprung, however, quite as much from the inability or unwillingness of the college graduate to accustom himself quickly to the rigid discipline and the rapid pace of business life, as from the lack of such preparation as is directly applicable to the work in hand. In the provision that the work of the Tuck School shall be graduate in character, the Trustees have held both of these points in mind. It is their firm conviction in the first place, that the specific training for business can be really effective only when based upon a thorough preliminary course of study of a length usually represented by the bachelor's degree. The sound method seems to be to educate the man first and the business man afterwards. In the second place, they have realized that by the requirement of graduate work, the student, freed from under-graduate associations and obligations, can be subjected to a course of training more rigid than the College can enforce, and be prepared by his experience to sympathize with the

business discipline into which he is to enter. The School, in short, proposes to lay quite as much stress upon the disciplinary training that will create a proper business attitude, as upon the educational equipment of the individual. Finally, it hopes to so broaden the minds and raise the ideals of its graduates that it will do something to elevate the business community above the plane of mere money-getting.

It is proposed to train men for the more important phases of business activity which concern the distributive processes as distinguished from those technical productive processes that relate to manufacturing in its broader sense and for which the technological schools have provided instruction. The work of the resident faculty is supplemented by the lectures of specialists in their particular fields. This enables the students to come into touch with practical men, and to profit in many ways by their experience.

The instruction of the School has been organized with the view of meeting the needs of college men who propose to enter upon Private Banking, Brokerage and Investments, Insurance, Railroad Service and Water Transportation, or Foreign Trade.

A special effort has been made to adapt courses to the requirements of general mercantile or manufacturing businesses. Thorough study is made of the raw products of industry, of their stages of advancement to the completed product, of their costs and markets. The proper relation of the employer to his workmen is made a subject of special investigation. While it is not possible to give men who enter technical manufacturing industries the specific training which the technological schools offer, the scientific departments of the College and the Thayer School of Civil Engineering co-operate as far as is needed to give men a scientific insight into their chosen fields. It is the policy of the School carefully to avoid an over-emphasis of the commercial to the prejudice of the technical side of business.

The School also provides instruction of immediate value to those who are fitting themselves for Journalism, or for active participation in municipal and civic affairs, and especially for those who wish to prepare themselves for the Consular service of the United States.

In addition to the courses framed to meet specific needs, a number are offered, of a more general application, that are required of all students. Among the most important of these is that in Accounting and Auditing, which aims to give men training in the theory and practice of advanced bookkeeping and audit.

CONDITIONS OF ADMISSION

The School offers a two years' graduate course which is open to students under the following provisions:—

1. The School is open to those who have a bachelor's degree, provided their undergraduate work includes such preparation as is deemed adequate for entrance upon the work of the School. This preparation is in general as follows:

a. The usual college requirements in mathematics, the sciences, literature and philosophy.

b. (1) Modern Languages.— The elementary courses in two of the three languages of German, French and Spanish.

(2) English.— Two years' work in English Composition and Argumentation.

c. (1) History. — General History of Europe, representing one year's work, and an additional course, preferably in English or American History.

(2) Political Science. — Historical and critical course in the Elements of Politics.

(3) Economics. — A course in the Elements of Economics and one additional course, preferably in English Economic History.

(4) Sociology. — An elementary course, preferably in Anthropology and Ethnology.

2. a. Students who have pursued in their undergraduate curriculum work which is equivalent to that pursued in the first year of the School, will, after receiving their bachelor's degree, be registered in the second year.

b. Students of Dartmouth College of three years' undergraduate standing, who have fulfilled the requirements for entrance, may elect the first year courses of the School for their work of Senior year. At the close of the year they may formally graduate from the College with the bachelor's degree for which they entered. After a year of graduate work in the Tuck School, they become eligible for certification in that School.

3. STUDENTS FROM OTHER COLLEGES entering the Senior year of Dartmouth College, to avail themselves of the privilege offered in § 2b,

or who enter with a bachelor's degree under the provisions of § 1, must present, with their certificate of transfer or their degree, a record of standing which shall meet the requirements of §5.

4. SPECIAL STUDENTS. — Applicants who may show fitness to pursue particular courses, may be received as special students, and will be given certification for work actually accomplished, but will not be given the full certification of the School. It is understood that this does not apply to students pursuing undergraduate work in Dartmouth College, except in cases where the amount of such work not yet completed is so small as not to interfere with the satisfactory pursuit of the work of the School.

5. STANDING. — In order to enter the first year of the School, students are required to have had a general average standing of not less than 75% in the branches required for admission, and not to have fallen short of 75% in more than two of those branches, nor below 60% in any one of them.

6. APPLICATION. — Formal application for admission must be made upon a blank provided for that purpose. This application must be approved by the President and the Secretary of the School before the applicant can be admitted.

ARRANGEMENT OF STUDIES

The work of the first year is largely required, consisting mainly of courses in Modern Languages, Advanced History, Advanced Economics, American Constitutional and International Law, Sociology, Money and Banking and the History and Theory of Transportation.

From these courses the student is required to choose eighteen hours each Semester under the direction of the Secretary. Most of these courses are offered as Senior electives in Dartmouth College, and more detailed information concerning semesters, hours and methods of work can be obtained by consulting the Dartmouth College Catalogue.

The work of the second year permits of wider choice within the range of the following subjects: Modern Languages continued, Modern History and Diplomacy, Municipal Administration, Accounting and Auditing, Theory and Technique of Statistics, Business

Organization and Procedure, Commercial Law, Commerce, Rail and Water Transportation, Insurance, Practical Banking, Investments and Public Finance. The length of the courses is determined by the character of the subject and not upon an arbitrary Semester basis. Students must hold themselves in readiness to crowd the work of any course into as short a space of time as the convenience of the individual instructor requires. Election of work for this year must be made under the direction of the Secretary.

COURSES OF INSTRUCTION[1]

MODERN LANGUAGES

A. *French.* Composition and Conversation.

B. *German.* Composition and Conversation.

C. *Spanish.* Composition and Conversation.

During the first year, two of the three languages are to be elected, and one of these during the second year. Students will enter upon the grade of language work which their previous preparation permits. Those whose equipment in one or more of these languages is considered adequate, will be permitted to substitute electives therefor.

D. *English.* See Business Organization and Procedure H.

ADVANCED HISTORY

A. (3) *The History of England to the Sixteenth Century.* This course will consist primarily of the political history of the English nation, with such reference as is necessary to constitutional, economic, and intellectual development. PROFESSOR ABBOTT.

B. (4) *The History of England and the British Empire from the Sixteenth Century.* This is a continuation of Course A, and will include, in addition to the history of Great Britain, the development of the British Empire and the history of its colonies and dependencies. PROFESSOR ABBOTT.

C. (5) *American Colonial History to* 1783. This course is intended to trace the beginnings of the American Nation rather than

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[1] The designation of courses as they appear in the Dartmouth College Catalogue is given in parentheses.

the details of the history of the individual colonies. Emphasis is therefore laid on the European inheritance brought to this country by the colonists, their development of American institutions in the new environment, the expansion of population, the struggle between French and English for North America, the underlying causes of the Revolution, the growth of independence and union. PROFESSOR FOSTER.

D. (Mod. H. 1.) *European Political History*, 1789–1878. This course will open with a review of the geography of Europe and lectures on the various nationalities, the state of the leading countries on the eve of the French Revolution, and the early stages of that movement. It will continue with text-book work, supplemented with lectures on the part of the instructor, and varied exercises on the part of the students. PROFESSOR SMITH.

E. (Mod. H. 2.) *United States Political History*, 1783–1877. This course will be conducted in substantially the same way as the work of the previous course. PROFESSOR SMITH.

F. *Modern History.* This course will consist of lectures on the political history of Canada, Mexico, and the South American States, Asia and Africa, with special emphasis on recent developments and particular reference to the phases of their history which might bear on their relations with this country. Under the direction of the instructor the students will do constructive work in the political history of Europe since 1878, each student covering a given period and profiting from the results of the work of other students.

PROFESSOR SMITH.

ADVANCED ECONOMICS

A. (Econ. 3.) *American Industrial Development.* Brief treatment of the earlier period of national development followed by a more careful study of the history since the Civil War. This will include the consideration of agricultural conditions and problems both North and South; special study of some of the more important products such as iron, coal, wheat and cotton; the development of the great manufacturing industries, the growth of corporations, trusts and monopolies; and a consideration of the relations of labor and capital as influencing industrial progress. PROFESSOR DIXON.

B. (Econ. 6.) *Advanced Theory.* A study of the development of economic theory. Assigned readings in the works of the Classical

School, especially Smith, Ricardo, and Mill, and in the writings of the representatives of modern development, Marshall, Boehm-Bawerk, Patten, Clark, and others. DR. WICKER.

LAW AND DIPLOMACY

A. (Pol. Sc. 3.) *American Constitutional Law.* This course is designed to give students a knowledge of the general principles of the constitutional law of the United States, both federal and statal. Particular attention is given to the origin and development of American political institutions, to the formation of state governments, and to the immediate causes of the adoption of the Federal Constitution, and to its text. PROFESSOR COLBY.

B. *Politics and Administration.* A study of American political parties since 1873; their organization and increasingly centralized control; their policies, and methods chosen for executing them; existing electoral machinery, its practical working and defects; some proposed remedies. PROFESSOR COLBY.

C. (Pol. Sc. 8.) *International Law.* This course is historical and explanatory of present international relations. It treats of the origin and development of the rules that generally govern the intercourse of modern civilized states, and their recent modifications by treaty. PROFESSOR COLBY.

D. *Diplomacy.* The subject of this course will be the business of international negotiation, and while necessarily parallel to international law, it will deal with that subject only as it must, and in an incidental way. Lectures will be given on the origin and evolution of modern diplomacy; the qualifications and methods of typical modern diplomats; the course of certain specially noteworthy negotiations from the Congress of Vienna to the Venezuela Case, including the evolution and history of the Monroe Doctrine; the organization of American and foreign diplomatic and consular services; principles of diplomatic procedure; and the duties laid down by the United States Government for its agents in foreign countries. Constructive work in the history of Europe since 1878 will be done by the students. PROFESSOR SMITH.

SOCIOLOGY AND STATISTICS

A. (Soc. 3.) *Anthropological Geography.* This considers man in relation to his physical environment, as determining his dispersal over

the face of the earth, his mode of life, and the density of population. It traces the bearings of the natural surroundings upon man's physical and mental characteristics, and follows this fundamental and necessary adjustment through the history of the family and the state and in the evolution of the forms of economic life.

PROFESSOR WELLS.

B. (Soc. 4.) *Social Statistics and Applied Sociology.* This course has for its foundation an inquiry into the chief results of Vital Statistics, such as birth and death rates, the mortality from different diseases, and under varying social and climatic conditions. These data are then brought into connection with Crime, Pauperism, and Social Reform. It is the biological side of social life.

PROFESSOR WELLS.

C. *History, Theory and Technique of Statistics.* A course in statistical methods and results, with practical work in investigation and tabulation. An attempt to determine the laws that govern group actions of men. Sources and reliability of statistical data. The methods of distinguishing true and false inferences. DR. WICKER.

D. *Studies in American Statistics.* Critical study of the contributions of statistics to our knowledge of production, banking, coinage, prices, wages, and particularly domestic and foreign commerce.

DR. WICKER.

ADMINISTRATION

A. *Municipal Administration.* A series of lectures in which the development of municipal policy will be traced with regard both to the forms and the aims of municipal government. The principles determining state control and municipal home rule; the place in the municipal system of the council, the mayor and the heads of departments; comparison of the chief points in typical municipal charters, Continental, English and American; the development of metropolitan administration in London, New York, and other great cities. The proper sphere of the municipality, first, in its traditional function as protector of person and property; secondly, in the extension of its functions to include the control of public utilities, the education of the electorate, and the care of the dependent classes; the practical workings of municipal departments in the cities of Europe and the United States with a comparison of results for different cities;

the peculiar conditions which affect American municipal progress; the causes of municipal corruption, especially as found in economic conditions, and the relation between municipal reform and social reform in general. MR. WOODS.

B. *Business Administration.* See Business Organization and Procedure E and F.

ACCOUNTING AND AUDITING

A. A series of lectures including a consideration of Accounting as a profession. MR. WYMAN.

B. *Theory and Practice of Accounts and Audit.*

(a) General Books, viz.: Cash Book, Journals, Ledgers, and subsidiary books and forms.

(b) Opening, conducting and closing accounts of Manufacturers, Merchants, Clubs, Electric Light Companies, Street Railways, Dealers in Investment Securities.

(c) Trial Balance, Balance Sheet, Cost, Depreciation, Goodwill, Profit and Loss.

(d) Examinations of accounts for purposes of (1) extending credit, (2) ascertaining causes of insolvency, (3) ascertaining earnings for a series of years as a basis for capitalization and change from partnership to corporation.

(e) Various systems of accounting compared and analyzed.

(f) Auditing and arrangement of accounts with a view of facilitating an audit. This is a practice course as distinct from a lecture course. MR. COMINS.

C. *Theory and Practice of Railroad Accounting.*

(a) Revenue and Expenses, why railroads are operated, how organized and administered, and the relation of accounting, auditing, and statistics to operation. General plan and technique of railroad accounting.

(b) Revenue accounting, freight and ticket; how the money is collected and covered into the treasury, the safeguards provided.

(c) Disbursement accounting, stages and methods of authorization, checks provided, significance of the different certifications, possibilities of fraud.

(d) Stores and car accounting, various systems, watching balances, use of the car record in car distribution, car mileage,

clearing houses, the home record, the foreign record, the interchange record.

(e) Statistics of operation, revenue disbursement, motive power, transportation, and maintenance of way. Use of statistics in handling a property.

(f) General books, ledger, side ledgers, journal, journal entries, accounts current, general balance sheet, organization and methods of the accounting office, the division and general office, the shops, the storehouse, the station agency. MR. EATON.

BUSINESS ORGANIZATION AND PROCEDURE

A. *Commercial Law.* An outline of the law of real property, including deeds, mortgages, and wills; of the law of contracts; of negotiable instruments; of personal property, including sales and bailments; of agency, carriers, insurance, and trustees.

MR. ALLEN.

B. *Industrial and Commercial Corporations.* A course of lectures treating of the distinctions between natural persons, partnerships, and corporations; modes of forming corporations; inviolability of charters; powers of corporations, and their officers and agents; fiduciary relations of their officers and agents; *ultra vires* acts; state control over corporations; rights of stockholders; relation of stockholders to each other; issue of stocks and bonds; sales and dealings in stocks; rights of creditors; quasi-public corporations; industrial trusts. MR. ALLEN.

C. *Business Organization.* A study of the methods of business organization devised for the conduct of industrial undertakings. See also Course B (a) under Transportation and Course B (b) under Money and Banking for typical instances of the organization of great undertakings. PROFESSOR DIXON.

D. *Materials and Facilities.* Detailed study of the raw products that enter into manufactures, with their sources, costs, transportation facilities and markets. Study of the costs and processes in the stages of manufacture from the raw material to the completed product. Investigation of the times, places and opportunities for the sale of the manufactured product. PROFESSOR DIXON.

E. *Procedure.* A series of lectures, contrasting business conditions before and after the formation of combinations, treated under the following topics: Former Business Conditions, Suggestions as to the

Causes of Failure in Business, Unintelligent Competition, Industrial Consolidations, Economic Gains and Losses of Consolidations, The Competition of the Future, Commercial Integrity. MR. LOGAN.

F. *Relation of the Employer to Labor.* This course deals with the present relations of Capital and Labor in the United States. It investigates the statistics, organization and methods of Trade Unions, their temper and tendencies, together with strikes and lockouts. It considers attempts to improve the conditions of labor, and the relations of employer and employed, such as various methods of shop management, the model factory village, profit-sharing and co-operation. The course is based on the belief that an understanding of the workingman's point of view is essential to the successful conduct of business. PROFESSOR WELLS.

G. *Materials of Construction and Motors.* (a) Materials, source, use, preparation, testing and cost of wood, lime, cement, mortar, steel, steel-concrete construction, brick and building stones.

(b) *Motors.* Characteristics, adaptation and general construction of wind-mills, heat, steam and electric engines, water-wheels.

MR. HOLDEN.

H. *Commercial Correspondence.* Training in business forms, and in the problems of correspondence which involve the correct use of terms and care in construction and expression. MR. KEYES.

COMMERCE

A. *Descriptive and Commercial Geography.* This course is designed to acquaint the student with so much of geographical knowledge as is needed in modern business relations. It involves a careful study of the geographical data at the basis of commercial and Economic Geography, with special reference to the number and quality of the various populations. Atlases and maps are studied in detail on the practical rather than the mathematical or scientific side.

PROFESSOR WELLS.

B. *International Trade.* A study of international trade routes and the facilities employed, tariff laws of the more important trading countries, commercial treaties and a consideration of America's competitive position in the markets of the world. PROFESSOR DIXON.

C. *International Commercial Law.* The course comprises such general topics in private international law as are of practical im-

portance to persons engaging in business in or with jurisdictions other than their own, together with more specialized instruction in the commercial codes of the principal European and Asiatic nations, including the organization of companies abroad, the provisions relative to American securities on the exchanges of Paris and Berlin, trade-marks and the method of collecting debts from foreign debtors.

MR. THOMPSON.

D. *Materials of Commerce.* (a) *Economic Chemistry.* This will treat of the place of the chemist in the world's work, the source and history of the materials in the chemical industries, the struggle for existence, the utilization of by-products, the economic value of exact knowledge. PROFESSOR BARTLETT.

(b) *Economic Botany.* This will aim to cover some of the most important aspects of those economic botanical problems which have a large part in practical affairs, and to demonstrate the place of the botanist in the commercial world. Sugar, Coffee, Wheat, Forestry, and allied topics will form the basis for a consideration of the botanical and agricultural questions involved, both in this country and abroad. Some attention will also be given to the conditions, natural and artificial, necessary for the successful establishment of these industries. DR. MOORE.

(c) *Economic Mineralogy.* This will treat of the origin, distribution, identification, mining and reduction of ores, annual output, and practical application to arts and industries. The products treated will include quarry products, carbon minerals such as coal and petroleum, the precious metals, the useful metals, ores of the alkaline earths and alkalis, together with glass and sand. DR. RICHARDSON.

E. *Consular Service.* For organization and duties of the consular service, see Law and Diplomacy D.

F. *Statistics.* For statistics of foreign and domestic commerce, see Sociology and Statistics D.

TRANSPORTATION

A. (Econ. 8.) *History and Theory of Transportation.* The history of railroad development in the United States and foreign countries with a study of the great railroad systems of the world. Theories of rates, combination, consolidation, community of ownership, and government ownership and control, both here and abroad, including a study of the Interstate Commerce Commission and

State Commissions. Water Transportation, lake, river, canal and ocean, its history and present condition, and its position as an aid to and competitor of railroads. PROFESSOR DIXON.

B. *Railroad Service.* (a) *Organization.* The organization of a railroad for business, with a discussion of the duties of officers and employees.

(b) *Operation.* Practical methods of operation, including a careful study of the regulations governing all forms of railroad service. A study of the traffic department, including systems of car accounting. Theories of rates and methods of forming classifications and rate schedules. Fast freight lines, joint rates, and various forms of railroad associations.

(*c*) *Accounting and Auditing.* See Course C under Accounting and Auditing.

(d) *Mechanics.* Study of the elements of railroad construction and maintenance and their costs. Details of locomotives and cars, their use, construction, and repair. Modern mechanical and safety devices including brakes, couplers, signalling systems, and the like. Purchasing Department, with consideration of properties of materials and railroad supplies. This section of the work will be conducted in part under Course G (2d part) in the Thayer School of Civil Engineering under the title "Economics of Location, Construction, and Maintenance of Railways."

(e) *Management.* Competition, discrimination, pooling, combination, consolidation, state ownership or control. PROFESSOR DIXON.

C. *Water Transportation.* (Inland) (a) *Lakes and Rivers.* The service as a competitor of railroads. Character of lake and river traffic, its organization, facilities, rates and influence upon industry. Projects for its development.

(b) *Canals.* Their economic value, practical use and development within the country. Careful study of the Isthmian Canal problem. PROFESSOR DIXON.

MONEY AND BANKING

A. (Econ. 4.) *History and Theory of Money and Banking.* Special attention will be devoted to the financial legislation of the United States. The practical problems before the country will be briefly considered. Modern currency standards in operation in foreign countries. DR. WICKER.

B. *Practical Banking.* (a) *Law.* Detailed study of the bank laws of the United States, and of typical states, and of generally accepted banking practice.

(b) *Organization.* The organization of a bank for business, with the duties and liabilities of its officers and employees. Comparative study of national, state, private, and savings banks, loan and trust companies. Clearing houses, their functions and administration.

(c) *Operation.* Practical methods of operation. Forms of credit transactions, note issues, domestic exchange. Comparative study of English and continental banks. DR. WICKER.

C. *Modern Banking Practice.* A study of the question from the banker's standpoint. See Corporation Finance and Securities C.

PUBLIC FINANCE

A. *Public Finance.* Methods of public administration. Public expenditure and revenue. Relation of the Treasury Department to the money market in the issuance of bonds and the placing of deposits. National, state, and municipal debt and taxation. Typical states and municipalities will be carefully studied. DR. WICKER.

CORPORATION FINANCE AND SECURITIES

A. *Corporation Finance.* Forms of investment securities, methods of corporation "financiering," consolidation, bankruptcy, receivership, reorganization, general principles of investment.

PROFESSOR DIXON.

B. *Money Markets and Speculation.* Movements of money and rates of domestic exchange. New York as a financial centre and the influences affecting interest rates. Note and bill brokers. Theory of foreign exchange and the causes that determine rates. Methods of international payment, movements of capital, monetary standards of foreign countries as they influence international settlements. A study of the English money market. Panics, signs of their approach and the methods of meeting them. Detailed study of stock and produce exchanges, including a comparison of the exchanges of England and the continental countries with those of the United States.

PROFESSOR DIXON.

C. *Practical Study of the Market.* This subject is considered from the banker's standpoint.

(a) *The Money Market*, including interest rates, exchange, modern banking methods and practice, crises and panics.

(b) *The Stock Market*, including investments, speculation and financial humbug. MR. RIPLEY.

INSURANCE

A. A series of lectures designed to illustrate the practical workings of insurance as conducted to-day in all its important forms, with special reference to the United States. After a brief discussion of the economic conception of insurance, its history, development, problems, and social service, attention will be given to fire and casualty insurance, to employer's liability and corporate suretyship, but special study will be devoted to its most highly developed form in life insurance. This will involve consideration of fundamental assumptions, rate-making, policy construction, varied benefits, field management, advertisements, compensation, solicitation, medical selection, practical accounting, investments, office-work, corporate management, state supervision, insurance law, insurance by the state. A critical estimate will be presented of the leading theories and different practices related to these questions, the object being to give a just estimate of the business, and a comprehensive knowledge of its present day workings. MR. DEBOER.

THESIS

A thesis embodying original research and representing study in the line of work which the student is especially pursuing, will be required of every candidate for the certification of the School.

CALENDAR

The calendar of the first year is the same as that of Dartmouth College. The year is divided into Semesters, with the usual Thanksgiving, Christmas and Easter recesses, and closes the third week in June.

The second year is entirely independent of the College. One day of vacation is granted at Thanksgiving, and two weeks at Christmas. The Easter recess is omitted and the year closes the first Wednesday in May. This plan has been adopted in order that the work of the concluding year may be concentrated, and that the student may take advantage of the opportunities of the early spring for entering business.

EXAMINATIONS AND GRADUATION

Examinations for first year students are held at the close of each College Semester, the examination periods being the same as those of the College. The examinations for second year students are held at the conclusion of each course, and additional examinations are given from time to time at the pleasure of the departments concerned.

In order to enter upon the work of the second year, students are required to maintain during the first year a general average standing of not less than 75% and not to have fallen short of 75% in more than two subjects, nor below 60% in any one.

The Trustees do not consider it wise at present to confer an academic degree upon graduates of the School, because no existing degree adequately expresses the character of the work done, and no new degree has yet been found which is deemed satisfactory. In lieu of a degree, the Trustees confer a certificate upon those who have completed the full work of the School, and give evidence of their fitness to receive it by a final examination or by the defense of a thesis. It is felt that this certificate will meet fully the demands of the students and will prove more acceptable than an academic degree to the business community.

FACILITIES

The headquarters of the School is the Hubbard House, which contains reading-rooms provided with all periodical literature pertinent to the work, and seminary rooms possessing the necessary books, documents, and reports for the furtherance of investigation. The general library in Wilson Hall is available, and its equipment along the lines of work in the School will be made more complete and exhaustive as the demand for these facilities increases.

The recent additional gift by Mr. Edward Tuck of $100,000 for a Tuck School building makes possible the provision in the near future of an equipment perfectly adapted to the demands of the work. Plans are being prepared, and it is expected that the building will be ready for occupancy during the early part of the academic year 1902–1903.

EXPENSES

The tuition is the same as in the College, one hundred and ten dollars per year, payable one half at the beginning of the year, the other half on January 10 succeeding. The scholarships provided for under-graduates are not available for students of the Tuck School except in so far as such students may be pursuing the work of the first year of the School as Seniors in Dartmouth College.

The expenses of a student will vary from $275 to $550 per year, the most important variable elements being room-rent and board. The College dormitories are open to students of the School. For further information, address

FRANK H. DIXON, *Secretary*,
HANOVER, N. H.

THAYER SCHOOL OF CIVIL ENGINEERING

THAYER SCHOOL OF CIVIL ENGINEERING

FACULTY

WILLIAM JEWETT TUCKER, D.D., LL.D., *President.*

ROBERT FLETCHER, Ph.D, *Director and Professor of Civil Engineering.*

JOHN V. HAZEN, C.E., *Associate Professor of Civil Engineering.*

JOHN L. MANN, C.E., *Assistant Professor of Civil Engineering and Surveying.*

CHARLES A. HOLDEN, C.E., *Instructor in Surveying and Assistant in Laboratory.*

CHARLES H. RICHARDSON, Ph.D., *Instructor in Economic Mineralogy and Lithology.*

GEORGE T. MOORE, Ph.D., *Lecturer on Micro-Organisms in Relation to Purity of Water Supplies.*

The THAYER SCHOOL OF CIVIL ENGINEERING was established more than a quarter of a century ago, to provide a distinctively post-graduate or professional course of study in Civil Engineering. In pursuance of this aim the founder, the late GENERAL SYLVANUS THAYER, Corps of Engineers, U. S. Army, a graduate of Dartmouth College in 1807, and distinguished as the organizer and "father" of the U. S. Military Academy, caused to be prepared a detailed "Programme" of the requisites for admission, covering the entire range of mathematics, chemistry, physics, and other studies, which were regarded as preparatory. No specific requirements in language, literature, history, and other subjects which give a broader mental training, were made, because at that time few could get the preparation demanded without attending College at least three years, and often during the usual period of four years. Hence, during the first twenty years of the Thayer School, 72 per cent of all who were ad-

mitted had already received the degree of B.S. or A.B., and of the remainder, 7 per cent had attended College three years, either as "classical" or "scientific" students.

It has been the consistent policy of the administration from the first to offer a general course of study in civil engineering, so developed as to include the essential principles and operations of all the important branches or divisions. There are no laboratories or special machinery for instruction in "mechanical engineering"; but the instruction in applied mathematics, mechanics and physics covers all of the fundamental theory of mechanical engineering, including principal applications of electricity.

REQUIREMENTS FOR ADMISSION

1. English Grammar; 2. Geography; 3. History of the United States; 4. Arithmetic; 5. Book-keeping: only the simpler principles and methods of single and double entry; 6. Algebra, *Taylor* or *Bourdon;* 7. Geometry, *Legendre;* 8. Trigonometry and Mensuration; 9. Compass Surveying, *Murray;* 10. Descriptive Geometry, including Shades, Shadows, Perspective, *Church;* and Isometrical Drawing, *Warren;* 11. Analytic Geometry, *Bowser* or *Hardy;* 12. Calculus, *Hardy;* 13. Analytic Mechanics, *Wood's* Elementary; 14. Chemistry: as nearly as possible a course equivalent to Chemistry 3 and 4 of Dartmouth College courses; 15. Physics: as nearly as possible the equivalent of Physics 1, 2, 3, and 4, of the College courses, (5 is desirable but not insisted upon); 16. Astronomy, *Young's* Elements; 17. Physical Geography and Meteorology.

The text-books indicated above are recommended, but others fully equivalent may be used.

Candidates for admission should be present for examination two days, at least, before July 15, or, by appointment, in May or June. Notice of intention to apply should be given by May 1, or earlier if possible. None will be received for advanced standing. Certificates from preparatory institutions, as to scholarship and character, will have due weight, but in all cases the candidate is orally examined, more especially with reference to the essential principles of the branches numbered 6, 7, 8, 10, 11, 12, 13, 14, and 15. Prompt and accurate statement of principles and definitions is insisted upon, and a

limited amount of blackboard work required. A neat set of mechanical drawings — constructions of important geometrical problems and a few leading problems of Descriptive Geometry — must be presented. Hence a fair degree of skill in mechanical drawing is one of the essential conditions.

Students of approved ability and proficiency in the Chandler Scientific Course of the College may elect the first year courses in the Thayer School for their work of Senior year. At the close of the year, they may formally graduate from the College with the degree of B.S. They may then become eligible for the degree of Civil Engineer, after pursuing the regular engineering courses of the second year group. For such students, the engineering course is technically "post-graduate" only for the second or last year.

The conditions for such election are: a "standing" of at least 75 per cent, in the aggregate, in the subjects above specified, and not less than 85 per cent in at least three, nor less than 60 per cent in any one; a special examination, as stated above; an intention to pursue, eventually, the entire engineering course, either in the next consecutive year, or as soon thereafter as the circumstances may permit. Only young men of correct habits and high character will be accepted or retained. Indulgence of an appetite for intoxicating drink will be sufficient reason for rejection of any applicant; — and such indulgence by an accepted member of the institution during his course will be sufficient cause for summary dismissal.

COURSE OF STUDY AND PRACTICE

First Year

Thirty-seven weeks, excluding all intermissions, each week comprising eleven half-days, of four and a half hours, devoted to study, field-work, or office-work. In emergencies the half-day is extended to five or five and a half hours.

A. — Theory and Practice of Surveying. [This is preceded by a preliminary course of 104 hours during Junior year in College.]

1. INSTRUMENTS — Engineer's transit, wye-level, dumpy level, prismatic compass and sextant; theory of and perfecting of all adjustments not required to be made by the maker; determining magnifying power of telescopes, sensitiveness of spirit levels and compass needles, etc.

2. PRELIMINARY PRACTICE until a required degree of precision is attained, and in which each student shall, by himself, or as one of a party, do a piece of test work of each of the following kinds with satisfactory precision: — differential levelling; angle measurement in a small scheme of triangulation which is the basis of a systematic plan of survey for the season; a simple land survey involving ordinary measurement of lines and angles; measurement of a baseline 1500 feet or more in length by steel tape and method adequate to secure precision measured by a probable error not greater than 1 in 100,000; solar observations with engineer's transit for azimuth.

3. GENERAL PRACTICE: One topographical survey for a small contour map, including part of a village or town; one stadia survey of two to four or more miles making a closed circuit for checks; the routine of an ordinary railroad survey, preliminary and location, with some special practice in locating easement curves; some practice with the aneroid barometer, and prismatic compass and hand-level in reconnaissance. These surveys possibly may be co-ordinated so as to be plotted for the most part on one plan or map of the season's work, the office work for which will include the most approved methods of computing and use of planimeter and slide-rule, or more precise calculating machine when necessary.

4. SPECIAL METHODS and instruments, as use of the plane-table, photography in surveying, geodetical surveying, and special practice relating to city and underground surveys, etc., can only be briefly considered in the class-room, for the most part. Considerable practice in these specialties is nearly all beyond the domain of the school; the details are readily mastered in the future emergency by a proficient in what has preceded.

July 15 to Nov. 15, 186 half-days.

B. MECHANICS AND APPLICATIONS. Principles of kinematics, statics and kinetics; data and laws of friction; elements of mechanism; important applications in the stability of structures, machine design, operation of hoisting machinery, action of the locomotive engine, etc. 65 half-days.

C. — MATERIALS OF ENGINEERING. 1. Physical and chemical properties and production of limes, cements, mortars, natural and artificial stone, timber, iron, steel, zinc, copper, aluminum, etc.; durability, preservative materials; a brief course in Mineralogy. 2. Mechanical properties, analytically and experimentally treated. 3. Laboratory tests of cements, iron, steel, wood and other materials. 72 half-days.

A testing machine of 27,000 pounds capacity for tension, compression and bending stress, affords sufficient practical illustration of the mechanics of materials. Each student uses the machine in making prescribed series of tests.

Several series of cement tests are carried out each year by groups of two or three, and written reports of these are made to the Director in proper form.

D. — ORDINARY AND SPECIAL STRUCTURAL WORK AND OPERATIVE DETAILS. Course begun: — Elementary courses on stone-cutting, masonry and foundations, arches and other masonry structures. 33 half-days.

E. — FRAMED STRUCTURES: — TRUSSES FOR ROOFS AND BRIDGES, BUILDING SKELETONS, ETC. Course begun: — Graphical statics and other analysis applied to girders and simple trusses. Ordinary and essential details. One or two simple designs. 42 half-days.

G. — ROADS, RAILROADS AND TRANSPORTATION IN GENERAL. Course begun: — Roads, streets and pavements, — construction and maintenance. 16 to 18 half-days.

SECOND YEAR

Thirty-three weeks, of eleven half-days each, from about September 1 to April 15.

D. — (concluded). Carpentry and framing; metal work; advanced reading on masonry and foundations; theory of retaining walls; dams; chimneys; high-framed buildings; fire-proof and slow-burning construction; renewals and enlargements. Engineering contracts and specifications. Auxiliary work and machinery. Inspection. 55 half-days.

E. — (concluded). Analysis of stresses in trusses, framed arches, stone arches, and suspension bridges; details and maintenance. Frames of tall buildings. Tours for inspection. One design worked out. 66 half-days.

F. — ROCKWORK, TUNNELING AND MINING. Outlines of geology, — vacation reading. Explosives and blasting; special appliances and methods in subterraneous works. Reading and lectures. 16 half-days.

Copper mines and furnaces in neighboring towns in Vermont, formerly very extensively worked, and now being actively exploited, afford the best of object lessons in mining and metallurgy.

G. — (concluded). Economics of location, construction, and maintenance of railways. A brief study of street railways (electric and cable traction, etc.), mountain railways, telpherage, and marine transportation. 44 half-days.

H. — HYDRAULIC ENGINEERING. Statics and dynamics of fluids; principles and data of hydraulics; collection, storage, purification, and distribution of water for town supply, power, and irrigation. Hydraulic motors; theory, construction, and operation; development of water-power. Gauging of Connecticut River. Measurements of flow by weirs and nozzles, of efficiency of motors, friction in pipes, etc. 66 half-days.

The Hanover Waterworks, constructed at a cost of $65,000, affords all needed conditions for hydraulic experiments under a head of 190 feet, in a laboratory equipped for all such operations of recognized importance. It is also an example of successful construction and operation, including a reservoir of 135,000,000 gallons capacity, a dam 700 feet long, gate-house, and main and distribution system of about 8 miles of pipe, all of which is available for inspection and for study of rainfall and its actual collection, water-ram in the pipes, efficiency of fire-streams, etc.

I. — HEAT, HEAT ENGINES, AND POWER. Principles of Thermodynamics; fuels, and their combustion; steam. Heat engines: construction and operation of typical forms; application of laws. Development and transmission of power. 44 half-days.

The establishment by the College of one of the most efficient cen-

tral steam-heating systems in the United States affords now the best of opportunities for studying efficiency of boilers and furnaces, at times when regular tests are made. The mills of the Wilder Company near by, on the Connecticut River, as well as several smaller mills at Lebanon, on the Mascoma River, give abundant facilities for studying the construction and operation of water-power plants on a large scale.

J. — SANITARY ENGINEERING. Drainage and sewerage; systems and appliances; governing principles. Heating and ventilation. Special study of "Separate Systems" and methods of sewage disposal. Sand filtration of water and sewage. 30 half-days.

Good examples for study and inspection are now afforded by three separate systems of sewerage in the town, and the College is about to construct a disposal plant on a small scale, after one of the most approved systems. As to heating and ventilation, successful examples may be studied in the new buildings of the College. A set of model sand filters has been in operation for some years at the Thayer School building, and those who may take special interest in the problem of the purification of water supply as affected by micro-organisms in water may make arrangements for such studies to be pursued so far as time will permit.

K.— CANALS, IMPROVEMENT OF RIVERS AND HARBORS. Principles; surveys and observations; construction in different cases, — means and methods of procedure. (Briefly by reading and lectures.) 8 half-days.

L. — PRINCIPLES OF APPLIED ELECTRICITY. An elementary study of the problems of Electric traction, lighting, transmission of power, etc. A brief course during the second Semester, the scope of which will depend upon the time at command.

GENERAL QUALIFICATIONS OF A GRADUATE. He *must* have a good understanding of and be adept in the routine practice of surveying, so as to hold his place under an exacting chief of party; he must be, at the start, an acceptable junior draughtsman and an accurate computer, able to make a good original, a good tracing and a blueprint; he must have a sufficient practical knowledge of the ordinary materials of construction, gained by adequate manipulations in the laboratory and by such observation and experience as every available

opportunity will bring to him; and he must have developed the habit and instinct of making neat and accurate and sufficiently complete records, in a well-kept note-book, of the results of his observations and of his own work; also the habit and method of keeping himself well-informed as to Engineering progress through current technical literature.

THE BUSINESS RELATION OF THE ENGINEER. By an arrangement with the Amos Tuck School of Administration and Finance, the members of the Thayer School will have the privilege of attending lectures: 1st, in Economics as exemplified in American Industrial Development, with especial reference to the development of manufacturing industries, the growth of corporations, and the relations of capital and labor; 2d, in Transportation, course numbered B in the programme of the Tuck School; 3d, in Commercial Law, with some particular attention to contracts and specifications as affecting the executive work of a Civil Engineer. On the other hand, Tuck School students are invited to participate with Thayer School students in such parts of courses G and K as are appropriate to their own courses of study.

METHODS OF INSTRUCTION. PRACTICE. During the first year, instruction is given chiefly by daily recitations from text-books and ample practice in field and laboratory. During the second year the character and range of subjects call for wider reading of treatises and current technical literature, which is promoted by full programmes of the courses, giving all of the important references to date. This is supplemented by recitations, lectures, and examinations.

The amount of field-work and other practice is made sufficient only to elucidate and emphasize the more important principles. In this connection carefully planned tours, for the study and inspection of works in progress or completed, are made when advantageous for purposes of instruction. Suitable professional employment during the summer vacation has heretofore been usually secured for Thayer students. Either a written or verbal report in relation to his summer work, or to some engineering structure or operation which he has specially examined, is expected from each student at the close of vacation.

TERMS, EXAMINATIONS, AND EXPENSES

The course of study and practice continues through two years, commencing, for the entering class, July 15, and continuing until April 15. This allows nineteen weeks of vacation for summer employment, when procurable. There may be a short recess at the Christmas holidays. Examinations are held from time to time, as the work progresses. The annual examination is held about the middle of April, before the Board of Overseers.

Tuition is one hundred and ten dollars per annum, one-half to be paid each Semester in advance. There is no provision for pecuniary aid.

The annual expenses of an economical student will vary between $350 and $400, including tuition, books, and stationery, board, fuel, light, and drawing instruments.

Only those students who maintain an average of 75 per cent during the first year of the Thayer School work will be allowed to enter upon the courses of the second year.

After a satisfactory final examination before the Board of Overseers, including an acceptable thesis,[1] the degree of Civil Engineer will be conferred.

The THAYER SCHOOL ANNUAL, published in August, 1901, contains further information relating to the work of the institution, its graduates, etc. This will be sent, and inquiries answered, on application to the President or

PROFESSOR ROBERT FLETCHER, *Director.*

[1] A thesis by two members of the Class of 1893, on "Testing Cement by Transverse Breaking," took the first prize of $75 in a competition instituted by the editors of *Engineering News*, and open to all the Engineering Schools in the United States and Canada. A thesis on "Effect of Freezing on Cement Mortars" divided the second prize in 1894. Another thesis received Honorable Mention in 1895. A thesis on "The Flow of Water over Dams," by three members of the Class of 1900, was published by *Engineering News* in September, 1900. A thesis by a member of the Class of 1901 received like recognition.

MEDICAL SCHOOL

MEDICAL SCHOOL

FACULTY

WILLIAM JEWETT TUCKER, D.D., LL.D. PRESIDENT.

WILLIAM T. SMITH, M.D., LL.D., DEAN *and Professor of Physiology, and Instructor in Surgery.* Hanover.

HENRY M. FIELD, M.D., *Professor Emeritus of Therapeutics.* Pasadena, Cal.

PHINEAS S. CONNER, M.D., LL.D., *Professor Emeritus of Surgery.* 215 W. 9th Street, Cincinnati.

PAUL F. MUNDÉ, M.D., LL.D., *Professor Emeritus of Gynecology.* 20 W. 45th Street, New York City.

WILLIAM H. PARISH, M.D, *Professor of Obstetrics.* 1435 Spruce Street, Philadelphia.

CHARLES B. NANCREDE, M.D., LL.D., *Professor of Surgery.* Ann Arbor, Mich.

EDWIN J. BARTLETT, M.D., *Professor of Chemistry.* Hanover.

A. PALMER DUDLEY, M.D., *Professor of Gynecology.* 678 Madison Ave., New York City.

TILGHMAN M. BALLIET, M.D., *Professor of Therapeutics.* 3709 Powelton Ave., Philadelphia.

WILLIAM PATTEN, Ph.D., *Professor of Zoölogy.* Hanover.

GILMAN D. FROST, M.D., SECRETARY *and Professor of Anatomy, and Instructor in Obstetrics.* Hanover.

JOHN M. GILE, M.D., *Professor of the Science and Practice of Medicine, and Instructor in Gynecology.* Hanover.

HOWARD N. KINGSFORD, M.D., *Professor of Pathology and Bacteriology.* Hanover.

JOHN ORDRONAUX, M.D., LL.D., *Professor of Medical Jurisprudence.* Roslyn, N. Y.

GRANVILLE P. CONN, M.D., *Professor of Hygiene.* Concord, N. H.

EDWARD COWLES, M.D., LL.D., *Professor of Mental Diseases.* Waverly, Mass.

DAVID WEBSTER, M.D., *Professor of Ophthalmology.* 327 Madison Ave., New York City.

GEORGE A. LELAND, M.D., *Professor of Laryngology.* 669 Boylston Street, Boston.

JOHN H. GEROULD, Ph.D., *Instructor in Zoölogy.* Hanover.

SHEPHERD I. FRANZ, Ph.D., *Instructor in Physiology and Medical Physics.* Hanover.

GEORGE R. LYMAN, A.M., *Instructor in Botany.* Hanover.

CHARLES E. BOLSER, Ph.D., *Instructor in Chemistry.* Hanover.

FREDERIC P. LORD, A.B., *Demonstrator of Anatomy.* Hanover.

DELEGATES FROM THE NEW HAMPSHIRE MEDICAL SOCIETY

FRANK BLAISDELL, M.D. Goffstown, N. H.

GEORGE COOK, M.D., Concord, N. H.

DELEGATES FROM THE VERMONT MEDICAL SOCIETY

CHARLES M. CAMPBELL, M.D., Rochester, Vt.

CLARENCE H. BURR, M.D., Montpelier, Vt.

CALENDAR

1901

July 16. Third and Fourth Year Courses began.
September 12. First and Second Year Courses began.
Recess from December 20, 10.00 A.M., *to January* 6, *inclusive.*

1902

February 22. Third and Fourth Year Courses end.
February 24, 25. Examinations by delegates.
February 25. Graduating exercises.
April 9. Second Year Course ends.
June 21. First Year Course ends.
July 15. Third and Fourth Year Courses begin.
September 18. First and Second Year Courses begin.

REQUIREMENTS FOR ADMISSION

Applicants for admission to this School must have

(*a*) graduated from a registered College, or

(*b*) satisfactorily completed a full course in a registered Academy or High School, or

(*c*) have had a preliminary education considered and accepted as fully equivalent, and upon bringing evidence of such preparation will be received on certificate.

All other candidates for admission, unless they can show by certificate from some approved fitting School or College that they have passed examinations in a part of the requirements, will be examined in all the following subjects:

English, History (two of the four parts, *a*, *b*, *c*, or *d*), Mathematics, Latin, Chemistry, and Physics, according to specifications given below.

SUBJECTS WITH SPECIFICATIONS

ENGLISH —

Two sets of books are prescribed for preparation in English, one for reading, the other for more careful study. No candidate will be accepted in English whose work is notably deficient in

point of spelling, punctuation, idiom, or division into paragraphs. The requirement consists of two parts.

I. *Reading* — A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and be able to answer simple questions on the lives of the authors; he must also show the ability to write a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number — perhaps ten or fifteen — set before him. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. In place of a part or the whole of this test, the candidate may be allowed to present an exercise book, properly certified by his instructor, containing compositions or other written work done in connection with the reading of the books.

The books set for this part of the examination will be:

In 1902, Shakespeare's The Merchant of Venice; Pope's Iliad, Books i, vi, xxii, xxiv; The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; Scott's Ivanhoe; Cooper's The Last of the Mohicans; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

In 1903, 1904, 1905, Shakespeare's The Merchant of Venice and Julius Caesar; The Sir Roger de Coverley Papers in *The Spectator;* Goldsmith's The Vicar of Wakefield; Coleridge's The Ancient Mariner; Scott's Ivanhoe; Carlyle's Essay on Burns; Tennyson's The Princess; Lowell's The Vision of Sir Launfal; George Eliot's Silas Marner.

II. *Study and Practice.* — This part of the requirement presupposes the thorough study of each of the works named below. The test will be upon subject-matter, form, and structure.

The books set for this part will be:

In 1902, Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

In 1903, 1904, 1905, Shakespeare's Macbeth; Milton's L'Allegro, Il Penseroso, Comus, and Lycidas; Burke's Speech on Conciliation with America; Macaulay's Essays on Milton and Addison.

HISTORY (including Historical Geography) —

(*a*) The History of Greece to the death of Alexander, with due reference to Greek life, literature, and art.

(*b*) The History of Rome to the accession of Commodus, with due reference to literature and government.

(*c*) English History, with due reference to social and political development.

(*d*) American History, with the elements of Civil Government.

A candidate may elect any two of the four divisions in History (*a*, *b*, *c*, or *d*).

(*a*) *Greek History* —

Oman's or Myers' History of Greece.

(*b*) *Roman History* —

Allen's Short History of the Roman People, and 300 pages additional reading.

(*c*) *English History* —

either Higginson and Channing's English History for Americans, *or* Montgomery's Leading Facts of English History, *or* Gardiner's English History for Schools, each with at least 300 pages additional reading, which may be selected from the following list: Creighton's Age of Elizabeth, Guest's Lectures on English History, Gardiner's Puritan Revolution, Freeman's Short History of the Norman Conquest, Green's Short History of the English People, Ch. i and Ch. vi, Sections iii–vii, Mrs. J. R. Green's Henry II, Macaulay's History of England, Ch. iii.

(*d*) *American History* —

either (1) Channing's Students' History of the United States or Johnston's History of the United States for Schools, each with 200 pages additional reading;

or (2) Higginson's Young Folks' History of the United States, through Ch. xvi, and *either* Channing's United States, 1765–1865, *or* Johnston, from beginning of Period V;

or (3) Higginson; Lodge's English Colonies, Ch. ii and xxii; Morse's John Quincy Adams, Ch. ii and iii; Josiah Quincy's Figures of the Past.

MATHEMATICS —

Algebra — The fundamental operations, simple equations with applications to problems involving two or more unknown quantities, the principles of factoring, involution and evolution applied to expressions containing fractional and negative exponents, radicals, including imaginaries and radical equations, quadratic equations, with applications to problems involving two unknown quantities.

Plane Geometry — With the use of the metric system in the construction and solution of numerical problems based on the principal theorems.

LATIN —

The ability to translate at sight easy Latin prose.

The Latin book edited by Crothers and Bice for medical students, or something equivalent, is recommended for preparation for this examination.

CHEMISTRY —

Acquaintance by laboratory work with elementary processes and with the properties of substances common in chemistry; familiarity with the chemical notation in its experimental and arithmetical meaning, including the ability to solve simple problems based on the relations expressed by formulas and equations; understanding and ability to use correctly the ordinary terms of Descriptive Chemistry. Bartlett's Laboratory Exercises, Parts i–v (exclusive of Class i, Part ii), or equivalent. A certified notebook of laboratory work must be presented. The student should have had in addition recitations based upon any good elementary descriptive text-book through the non-metallic and metallic elements.

To meet the above requirement, at least 110 hours of elementary chemistry are necessary, one-half laboratory work, illustrating the preparation and the properties of the substances ordinarily treated in elementary chemistry. Qualitative Analysis will not be accepted as an equivalent for the laboratory work prescribed.

PHYSICS —

The equivalent of at least one hundred and ten one-hour exercises, of which as many as forty should be practical exercises in the laboratory. The student is expected, in the time devoted to the laboratory work, to perform at least forty experiments, and to have kept a neat and orderly record of the same in a note-book, described in his own words. This note-book should bear the certification of the instructor, and be presented for inspection at the time of the entrance examinations to College.

The student should be taught, as far as possible, to apply the simpler principles of Algebra and Geometry to the solution of practical problems in Physics.

Any one of the following texts or manuals may be recommended for use in secondary schools preparing students for Dartmouth College: Elements of Physics, Carhart and Chute; Elements of Physics, Crew; A Text-Book of Physics, Hall and Bergen; Outlines of Physics, Nichols; Elements of Physics, Gage.

The Examinations for admission to the First or entering Class will be held in Room H, Chandler Hall, as follows: —

On Thursday, September 11, at 3.00 P.M., in Physics.
On Friday, September 12, at 3.00 P.M., in Chemistry.
On Saturday, September 13, at 9.00 A.M., in Mathematics.
On Saturday, September 13, at 3.00 P.M., in History.
On Monday, September 15, at 9.00 A.M., in Latin.
On Monday, September 15, at 3.00 P.M., in English.

ADMISSION TO THE SECOND CLASS

Students may be admitted without examination to the Second Class who present satisfactory evidence of having passed the examinations of the first year in an accredited Medical School.

ADMISSION TO THE THIRD CLASS

Candidates for admission to the Third Class must pass on July 10, 11, and 12, 1902, the examinations in Human Anatomy, Physiology, Inorganic and Medical Chemistry, Histology, and Bacteriology already taken by that class.

Such candidates should be in town July 9.

ADMISSION TO THE FOURTH CLASS

Candidates for admission to the Fourth Class must pass on July 10, 11, and 12, 1902, the examinations in Human Anatomy, Physiology, Inorganic and Medical Chemistry, Histology, Bacteriology, Materia Medica, and Pathology already taken by that class.

Such candidates should be in town July 9.

Students in the Academic department of Dartmouth College, may, at the beginning of their Senior year, matriculate in the Medical Department, and take during Senior year the work and the examinations of the first year of the Medical Department.

They will thus be able to earn the two degrees in seven years.

Students desiring to pass from the Academic to the Medical Department of the College must bring the certificate of the President of the College, with his approval of such transfer.

COURSE OF STUDY

Professor A. Palmer Dudley, of New York City, will give the opening lecture of the One Hundred and Sixth Annual Course on Tuesday, the fifteenth day of July, 1902, at 4 P. M.

Full courses in all departments of Medical Science will be given during the session of seven months' duration. For the convenience of non-resident professors, eight or nine lectures are given in each branch weekly until their part of the work in their several branches is finished. The work in each branch is then continued by the resident professors, by lectures, by recitations, by work in the laboratories, and by clinics and ward classes at the Hospital, until the end of the session, when a written examination in each branch is given.

The course covers four years, and students are required to complete the work of each year in regular order, passing an examination at the close of each year in the studies of that year.

FIRST YEAR

Chemistry, Medical Physics, Biology, Comparative Anatomy, Human Anatomy, Physiology.

SECOND YEAR

Systematic Anatomy, Physiology, Medical Chemistry, Bacteriology, Histology, Pathology, Embryology.

THIRD YEAR

Regional Anatomy, Pathology, Materia Medica, Obstetrics, Surgery, Medicine.

FOURTH YEAR

Therapeutics, Surgery, Medicine, Obstetrics, Gynecology, Mental Diseases, Medical Jurisprudence, Hygiene, Ophthalmology, Laryngology, Otology.

SCHEDULE, 1901–1902

FIRST YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
9 A.M.	Semester I. Physiology. Lecture. Dr. Smith.		Semester I. Physiology. Lecture. Dr. Smith.		Semester I. Physiology. Lecture. Dr. Smith.	
8 A.M. – 9 A.M.		Semesters I and II. Chemistry. Laboratory. Dr. Bartlett.		Semesters I and II. Chemistry. Laboratory. Dr. Bartlett.		Semesters I and II. Chemistry. Laboratory. Dr. Bartlett.
10 A.M.	Semester II. Physiology. Laboratory. Dr. Franz.	Semesters I and II. Human Anatomy. Recitation. Dr. Frost.	Semester II. Physiology. Laboratory. Dr. Franz.	Semesters I and II. Human Anatomy. Recitation. Dr. Frost.	Semester II. Physiology. Laboratory. Dr. Franz.	Semesters I and II. Human Anatomy. Recitation. Dr. Frost.
11 A.M.						
1 P.M. – 2 P.M.	Semester I. Biology. Laboratory. Mr. Lyman.	Semester I. Medical Physics. Laboratory. Dr. Franz.	Semester I. Biology Laboratory. Mr. Lyman.	Semester I. Medical Physics. Laboratory. Dr. Franz.	Semester I. Biology. Laboratory. Mr. Lyman.	
1 P.M. – 2 P.M.	Semester II. Comparative Anat. Laboratory. Dr. Patten.		Semester II. Comparative Anat. Laboratory. Dr. Patten.		Semester II. Comparative Anat. Laboratory. Dr. Patten.	

SECOND YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M. } 9 A.M. }	Physiology. Laboratory. Dr. Franz.	Semester I. Embryology. Laboratory. Dr. Gerould.	Physiology. Laboratory. Dr. Franz.	Semester I. Embryology. Laboratory. Dr. Gerould.	Physiology. Laboratory. Dr. Franz.	Semester I. Embryology. Laboratory. Dr. Gerould.
10 A.M.	Anatomy. Recitation. Dr. Frost.	*Histology. Laboratory. Dr. Kingsford.	Anatomy. Recitation. Dr. Frost.	*Histology. Laboratory. Dr. Kingsford.	Anatomy. Recitation. Dr. Frost.	*Histology. Laboratory. Dr. Kingsford.
11 A.M.					Chemistry. Recitation. Dr. Bartlett.	
1 P.M. } 2 P.M. }	Dissection. Laboratory. Dr. Frost.	Chemistry. Laboratory. Dr. Bartlett.	Dissection. Laboratory. Dr. Frost.	Chemistry. Laboratory. Dr. Bartlett.	Dissection. Laboratory. Dr. Frost.	

* The course in Histology covers two-thirds of the year. A course in Bacteriology at the same hour covers the rest of the year.

THIRD YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.	Physiology. Laboratory. Dr. Franz.		Physiology. Laboratory. Dr. Franz.	Pathology. Lecture. Dr. Kingsford.	Physiology. Laboratory. Dr. Franz.	Pathology. Lecture. Dr. Kingsford.
9 A.M.		Anatomy. Recitation. Dr. Frost.		Anatomy. Recitation. Dr. Frost.		Anatomy. Recitation. Dr. Frost.
10 A.M.	Minor Surgery. Demonstration. Dr. Smith.		Minor Surgery. Demonstration. Dr. Smith.		Minor Surgery. Demonstration. Dr. Smith.	
11 A.M.	Therapeutics. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Therapeutics. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Pathology. Lecture. Dr. Kingsford.	Medicine. Recitation. Dr. Gile.
2 P.M. 3 P.M.	Pathology. Laboratory. Dr. Kingsford.	Dissection. Laboratory. Dr. Frost.	Dissection. Laboratory. Dr. Frost.	Dissection. Laboratory. Dr. Frost.	Pathology. Laboratory. Dr. Kingsford.	

FOURTH YEAR

Hour.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
8 A.M.	Medicine. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.	Medicine. Recitation. Dr. Gile.
9 A.M.	Obstetrics. Recitation. Dr. Frost.	Surgery. Recitation. Dr. Smith.	Obstetrics. Recitation. Dr. Frost.	Surgery. Recitation. Dr. Smith.	Gynecology. Recitation. Dr. Gile.	Surgery. Recitation. Dr. Smith.
10 A.M.		Jurisprudence. Lecture. Dr. Ordronaux.		or Mental Diseases. Lecture. Dr. Cowles.		or Hygiene. Lecture. Dr. Conn.
11 A.M.	Therapeutics. Recitation. Dr. Gile.		Therapeutics. Recitation. Dr. Gile.			

Clinics at the Hospital mornings at 10 o'clock, and afternoons at 2 o'clock.

DEPARTMENTS OF INSTRUCTION

BIOLOGY AND COMPARATIVE ANATOMY

PROFESSOR PATTEN, DR. GEROULD AND MR. LYMAN

FIRST YEAR

1. Elementary Biology. An introductory course giving a general survey of the field of Botany, some of the fundamental principles of Biology common to plants and animals, and a comprehensive review of the physiology, morphology, and reproduction of plants, special attention being paid to the lower plants and to the relation of fungi and bacteria to putrefaction, fermentation, and disease. The laboratory work involves the constant use of the compound microscope. One lecture and two laboratory exercises of two hours each per week. (Coulter's Plants.) First Semester, fifty-four exercises.

MR. LYMAN.

2. Comparative Anatomy of Vertebrates. The outlines of the classification of vertebrates, the homologies and the histological structure of vertebrate organs, the theories of the structure of the vertebrate head, and of the derivation of the Chordata will be discussed. The object of the course is to illustrate the evolution of the vertebrate type of animals from the lowest fishes, and related forms, up to man, and to discuss some of the conditions that are coincident with, or determine, the progressive modification of various vertebrate organs. (Wiedersheim's Comparative Anatomy of Vertebrates, Gray's Anatomy, and the embryological text-books of Minot, Hertwig-Mark, etc.) Second Semester, fifty-four two-hour exercises.

PROFESSOR PATTEN.

SECOND YEAR

3. Vertebrate Embryology. A study of the Embryology of the frog, the chick, and a mammal. (Minot's Human Embryology, Hertwig's Embryology of Vertebrates, Marshall's Vertebrate Embryology.) First Semester, seventy-two two-hour exercises.

DR. GEROULD.

MEDICAL PHYSICS

DR. FRANZ

A laboratory course with occasional informal lectures and recitations to correlate the work done in the laboratory. The topics included will be those essential to a proper understanding of physiology and allied subjects, (Daniells' Physics for Students of Medicine.) First Semester, thirty-six exercises.

ANATOMY

PROFESSOR G. D. FROS

FIRST YEAR

Osteology, Arthrology, and a preliminary study of the viscera. A course of recitations and demonstrations. Preparations from the Anatomical Museum are given out for study. An opportunity is offered to follow the dissections of the human body made by the men of the Second and Third classes. The written examinations covering the work in osteology and arthrology are final if satisfactory. (Gray's Anatomy, last edition.) First and Second Semesters, seventy-two exercises.

SECOND YEAR

Study of the muscles, blood vessels, lymphatics, and nerves by systems and by regions. Recitations and occasional lectures. Demonstrations by the instructor from manikins, plates, dried and wet preparations, and the cadaver. Dissection and demonstration of at least two parts by each student to the class. (Gray, Gerrish.)

THIRD YEAR

Study of the central nervous system and the viscera. Regional and Applied Anatomy. Lectures, recitations, and demonstrations. Dissection and demonstration of the remaining parts by the student. (Gray, Treves, Quain.)

PHYSIOLOGY

PROFESSOR W. T. SMITH AND DR. FRANZ

FIRST YEAR

1. A course of lectures and quizzes upon the essential facts of Physiology bringing them into relation as far as possible with future work. First Semester, fifty-four exercises.

PROFESSOR SMITH.

2. A laboratory course upon the physiology of nerve and muscle, and of the blood and circulation. Each student will perform the classic experiments in these subjects for himself. Second Semester, fifty-four exercises in the laboratory, two hours each. DR. FRANZ.

SECOND YEAR

Four hours of laboratory work and one lecture or quiz each week.

The work to be done by the student includes experiments on digestion, respiration, the nervous system, and the special senses.

Demonstrations of some of the more difficult subjects will be made before the Class.

At some time in the second year each student will be expected to write a thesis on some topic included in the work, consulting as far as possible the original sources. DR. FRANZ.

The Physiological Laboratory has recently been equipped with the latest apparatus. A sufficient number of complete sets has been provided to furnish one to every two students. These include kymograph, induction coil, and stimulating apparatus, tambours, apparatus to illustrate the circulation, etc.

The General Laboratory is furnished with instruments needed for research.

CHEMISTRY

PROFESSOR BARTLETT AND DR. BOLSER

FIRST YEAR

1. A systematic course, reviewing the Non-Metallic Elements rapidly, developing the more essential theories, and treating the

Metallic Elements and their compounds, by lectures, recitations (Newth's Inorganic Chemistry), and by Qualitative Analysis in the laboratory (A. A. Noyes's Qualitative Analysis). This course for completeness should be pursued through the year. It divides the time about equally between one-hour recitations and two-hour laboratory exercises. First and Second Semesters, fifty-four exercises in each, one or two hours. DR. BOLSER.

2. Either at the end of the first year or the beginning of the second year a short course in the more important compounds of carbon is given. PROFESSOR BARTLETT.

SECOND YEAR

3. Physiological and Medical Chemistry. A course with laboratory, lecture and recitation work giving special attention to the carbohydrates and albumens, to Toxicology and the applications of Chemistry to medicine. First Semester and till the recess in the Second Semester. PROFESSOR BARTLETT.

HISTOLOGY, BACTERIOLOGY, AND PATHOLOGY

PROFESSOR KINGSFORD

SECOND YEAR

Histology. Laboratory work with recitations during the last few weeks of the course. The elementary tissues are first studied, then the various organs, including special study of the brain and cord. Each student may prepare and retain sections.

Six hours in the laboratory each week till the recess, two hours each week thereafter.

Bacteriology. Laboratory demonstrations supplemented by recitations. The aim in this course is to make it as practical as possible. Special attention is given to the examination of sputum for tubercle bacilli, to the diagnosis of diphtheria, the technic of the Widal serum diagnosis in typhoid fever, and to staining gonorrhoeal pus. Each student is required to isolate a number of different organisms. Special instruction is given to any student desirous of doing research work, either in bacteriology or pathology.

Four hours in the laboratory each week after the recess.

THIRD YEAR

Pathology. Lectures, illustrated by demonstrations of gross lesions whenever practicable. Laboratory work throughout the year. The laboratory work is devoted to the study of the pathological histology of inflammation, the infectious diseases, tumors, etc., with considerable attention to surgical pathology. The sections may be prepared and retained by the student. Three hours of lectures or recitations and four hours in the laboratory each week.

MATERIA MEDICA AND THERAPEUTICS

PROFESSOR BALLIET AND DR. GILE

THIRD YEAR

1. Materia Medica is taught by lectures and frequent quizzes during a combination course upon Materia Medica and Therapeutics of sixty hours. PROFESSOR BALLIET.

THIRD AND FOURTH YEARS

2. Therapeutics. A course of sixty lectures with frequent quizzes and illustrations by the study of clinical cases at the Hospital.
PROFESSOR BALLIET.

3. Therapeutics. A course of recitations twice each week through these years. DR. GILE.

GYNECOLOGY

PROFESSOR DUDLEY AND DR. GILE

THIRD AND FOURTH YEARS

1. A course of thirty-six lectures illustrated by diagrams, supplemented by clinical teaching at the Hospital. The students make examinations of the cases presented and follow the operations and after-treatment. PROFESSOR DUDLEY.

2. Recitations once a week supplemented by further clinical instruction at the Hospital through the year, as described above. Clinical material is abundant. DR. GILE.

OBSTETRICS

PROFESSOR PARISH AND DR. FROST

THIRD AND FOURTH YEARS

1. A course of forty-eight lectures illustrated by diagrams and the use of manikins, with occasional quizzes.

PROFESSOR PARISH.

2. Recitations with section work upon manikins by the student. Preparation is thus secured for a course in the Out-Patient department of a Lying-In Hospital which the student is advised to take during the vacation at the end of the third year. Two hours each week.

DR. FROST.

3. A few maternity cases are received at the Hospital, and when possible they serve to illustrate to the students in small sections the teaching and methods of obstetrics.

SURGERY

PROFESSOR NANCREDE AND DR. SMITH

THIRD YEAR

1. A course in Minor Surgery given partly at the College and partly at the Hospital. Demonstrations and quizzes. Three hours each week. DR. SMITH.

THIRD AND FOURTH YEARS

2. A course of seventy-two lectures supplemented by many clinical lectures and operations at the Hospital. The student is given cases to examine and study, and makes his report before the class.

PROFESSOR NANCREDE.

FOURTH YEAR

3. A course of recitations with further clinical lectures and study of individual cases by the student at the Hospital. Three hours each week. DR. SMITH.

OPHTHALMOLOGY

PROFESSOR WEBSTER

A course of twelve didactic lectures with many clinical lectures and operations before the class. An excellent opportunity is afforded each student to study these cases.

LARYNGOLOGY AND OTOLOGY

PROFESSOR LELAND

A course of ten didactic lectures with clinical lectures and many operations before the class. Opportunity to study and follow the treatment of individual cases.

MEDICAL JURISPRUDENCE

PROFESSOR ORDRONAUX

A course of ten didactic lectures.

MENTAL DISEASES

PROFESSOR COWLES

A course of ten didactic lectures.

HYGIENE

PROFESSOR CONN

A course of nine didactic lectures.

MEDICINE

PROFESSOR GILE

THIRD YEAR

1. Physical Diagnosis. Study of methods of examination and physical diagnosis with enough of pathological anatomy to make the variations in the physical signs intelligible. About one-third of the course is given to lectures, one-third to recitations, and one-third to clinics. Three hours each week.

FOURTH YEAR

2. Medicine. Lectures and recitations with clinical examinations at the Hospital through the year. Six hours each week, with one hour additional each week of clinical examination at the Hospital.

TEXT-BOOKS

ANATOMY — Gray, Gerrish, Quain, Treves.
HISTOLOGY — Piersol, Stöhr, Schäfer.
BACTERIOLOGY — Sternberg.
PHYSIOLOGY — Kirkes (Blakiston's edition). For reference, American Text-book of Physiology, Schäfer, Waller, Foster.
CHEMISTRY — Bartlett's Laboratory Exercises, Bartley's Medical, Tyson's or Purdy's Urinary Analysis, Newth's, Rockwood's Laboratory Manual.
THERAPEUTICS — Balliet's Notes, Wood, Bartholow.
PRACTICE OF MEDICINE — Osler, Tyson, Thompson.
PHYSICAL DIAGNOSIS — Loomis, Cabot.
PATHOLOGY — Green, Ziegler, Coplin.
SURGERY — American Text-book of Surgery, Nancrede, Wharton and Curtis, Park, Warren.
OBSTETRICS — Hirst, Lusk.
LARYNGOLOGY — Browne's Diseases of the Throat; Barr, Diseases of the Ear; McBride, Diseases of the Throat, Nose, and Ear; Bishop, Diseases of the Ear, Nose, and Throat.
DISEASES OF CHILDREN — Holt, Vogel, Rotch.
DISEASES OF WOMEN — Dudley, Reed.
MEDICAL JURISPRUDENCE — Taylor.
MEDICAL PHYSICS — Daniell.
BIOLOGY — Coulter's Plants.
COMPARATIVE ANATOMY — Wiedersheim.
EMBRYOLOGY — Foster and Balfour
DICTIONARY — Gould, Duane, Dorland.

EXAMINATIONS AND GRADUATION

During the first year of the study of medicine in this school examinations *will be required* in Physics, General Biology, Comparative Anatomy, Chemistry, and Human Anatomy.

At the end of two full years of the study of medicine and two courses of lectures, an examination *will be required* in Systematic Anatomy, Physiology, Medical Chemistry, Histology, and Bacteriology. At the end of three full years of the study of medicine and three courses of lectures, an examination *will be required* in Systematic and Regional Anatomy, Physiology, Materia Medica, and Pathology. The examinations thus taken, if satisfactory, shall stand as final.

The fee for the second examination is five dollars; for the third examination, ten dollars. These sums will be deducted from the examination fee at the final examination.

Certificates of examinations passed at other Colleges are not accepted in place of our own examinations for a degree, except as stated under Requirements for Admission.

Every candidate for the degree of Doctor of Medicine must (1) be more than twenty-one years of age; (2) be of good moral character; (3) have graduated from a registered College or satisfactorily completed a full course in a registered academy or high school; or have had a preliminary education considered and accepted as fully equivalent; (4) have studied medicine (unless matriculated before January 1, 1898), not less than four full school years of at least nine months each, including four satisfactory courses of at least six months each, in four different calendar years, in a medical college registered as maintaining at the time, a satisfactory standard; (5) present evidence that he has dissected all parts of the cadaver; (6) pass a satisfactory written examination in Anatomy, Physiology, Chemistry, Medical Physics, Biology, Comparative Anatomy, Histology, Bacteriology, Pathology, Therapeutics, Surgery, Obstetrics, Materia Medica, Gynecology, and Practice.

Final (oral) examinations before Delegates from the New Hampshire and Vermont Medical Societies will be held on the last Monday of February, 1902.

EXPENSES

All fees must be paid in full at the opening of the session.

TUITION — Matriculation (paid annually) . . .	$5.00
For each of the four courses	110.00
Examination Fees (not returnable)	
For the second course	5.00
For the third course	10.00
For the fourth course	10.00
Chemicals and ordinary breakage, First year . . .	4.00
Second year . . .	3.00
Bacteriological, Histological, and Pathological Material .	3.00
Anatomical material	at cost

SCHOLARSHIPS

By the gift of one thousand dollars, Mrs. Mary H. Chamberlain of Princeton, New Jersey, has established, in memory of her husband, the William M. Chamberlain scholarship in Dartmouth Medical School. The income of the above-named sum is annually to be loaned to such worthy and indigent medical students as may need its aid toward payment of lecture fees. The loan is to be for four years, without interest. A few other scholarships are available on like terms.

HOSPITAL

The MARY HITCHCOCK MEMORIAL HOSPITAL has now been in use for eight years, and affords increased facilities for clinical instruction. It is a cottage hospital of thirty-six beds, and is constructed after the most approved modern style for such buildings.

A large and well-lighted amphitheatre is provided for witnessing operations, which are performed by members of the Faculty before the class, during the entire session.

An appointment of an advanced medical student as House Officer for the Hospital is made once in six months. He serves for six months as externe and then for an equal period as resident interne. His term of service begins on March 1st or September 1st.

Besides the use of the special collections and apparatus of the Medical School, the students derive incidental advantages from the other departments of the College. Medical students have access to College Hall and to the College library, including a medical library, on the same terms with other students.

☞Those desiring further information may address GILMAN D. FROST, M.D., Secretary, Hanover, N. H.

ALUMNI ASSOCIATIONS

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THE GENERAL ASSOCIATION

FOUNDED IN 1854

President, HENRY M. BAKER, '63.
Vice-Presidents, EDWIN F. JONES, '80. EDWARD N. PEARSON, '81.
Secretary, FRANK A. SHERMAN, '70, Hanover, N. H.
Statistical Secretary, JOHN M. COMSTOCK, '77, Chelsea, Vt.
Treasurer, PERLEY R. BUGBEE, '90, Hanover, N. H.

Executive Committee:

WILDER L. BURNAP, '63 (*Chairman*). GEORGE H. M. ROWE, '64.
ISAAC F. PAUL, '78 (*Secretary*). HOWARD F. HILL, '67.
EDWIN F. JONES, '80. T. W. D. WORTHEN, '72.
WILLIAM H. GARDINER, '76.

Committee on Alumni Trustees:

JOHN H. COLBY, '85 (*Chairman.*) JOSEPH A. DEBOER, '84.
EDWIN B. HALE, '65. GEORGE B. FRENCH, '72.
SHERMAN E. BURROUGHS, '94. JOHN GAULT, '95.

The membership includes all graduates of the College, the Thayer School of Civil Engineering, and the Chandler School of Science and the Arts. Others who receive from the College an Honorary Degree, or are elected at an Annual Meeting, shall be honorary members, but without the right of voting.

The Annual Meeting is held in the old chapel in Dartmouth Hall on Tuesday afternoon of Commencement week. The Alumni Dinner occurs on Wednesday, Commencement Day.

☞The attention of the Alumni is called to the fact that the Commencement exercises occur on Wednesday instead of Thursday.

By an arrangement with the Trustees of the College, five of their number are elected to their office upon the nomination by ballot of all Alumni of the College of three years' standing, one vacancy occurring in the Board at each Commencement.

Ballot forms, containing the names of five candidates who have been selected by the Nominating Committee for the vacancy, are sent to all Alumni two months before Commencement, and the voting closes at 6 P.M. on Tuesday evening of Commencement week.

LOCAL ASSOCIATIONS

BOSTON ASSOCIATION, FOUNDED IN 1864

President, EDWIN B. HALE, '65.
Secretary, GUY W. COX, '93, 73 Tremont St.
Annual Reunion, third Wednesday in January.

NEW YORK ASSOCIATION, FOUNDED IN 1866

President, CHARLES M. HOUGH, '79.
Secretary, ALBERT A. WHEAT, '89, 195 Broadway.
Annual Reunion, last Friday in January.

CINCINNATI ASSOCIATION, FOUNDED IN 1875

President, GEORGE B. PARKINSON, '75.
Secretary, ALBERT H. MORRILL, '97, City Hall.
Annual Reunion in January.

WASHINGTON ASSOCIATION, FOUNDED IN 1876

President, JAMES O. WILSON, '50.
Secretary, HENRY P. BLAIR, '89, 213 E. Capitol St.
Annual Reunion in January.

CHICAGO ASSOCIATION, FOUNDED IN 1876

President, EMILIUS C. DUDLEY, '73.
Secretary, H. H. HILTON, '90, 378 Wabash Ave.
Annual Reunion in January.

NORTHWEST ASSOCIATION, FOUNDED IN 1880

President, EDWARD P. SANBORN, '76.
Secretary, FRANK H. CARLETON, '72, New York Life B'ld'g.
Annual Reunion at Minneapolis in January.

PACIFIC COAST ASSOCIATION, FOUNDED IN 1881

President, THOMAS FLINT, JR., '80.
Secretary, THOMAS A. PERKINS, '90, Crocker Building, San Francisco, Cal.
Annual Reunion, second Thursday in April.

MANCHESTER (N.H.) ASSOCIATION, FOUNDED IN 1881

President, ELIJAH M. TOPLIFF, '52.
Secretary, ARTHUR H. HALE, '86.
Annual Reunion, second Tuesday in January.

CONCORD (N H.) ASSOCIATION, FOUNDED IN 1891

President, CLAUDIUS B. WEBSTER, M.D., '36.
Secretary, WALTER H. FLETCHER, '00.
Annual Reunion, last Wednesday in January.

CENTRAL AND WESTERN MASSACHUSETTS ASSOCIATION, FOUNDED IN 1892

President, JOSEPH G. EDGERLY, '67.
Secretary, ELMER C. POTTER, '92, 340 Main St., Worcester.
Annual Reunion at Worcester or at Springfield in February.

VERMONT ASSOCIATION, FOUNDED IN 1893

President, WILDER L. BURNAP, '63.
Secretary, FRED A. HOWLAND, '87, Montpelier.
Annual Reunion at Montpelier in October.

"THE GREAT DIVIDE" ASSOCIATION, FOUNDED IN 1895

President, OSCAR J. PFEIFFER, '77.
Secretary, FRANK E. GOVE, '88, Denver, Colo.
Annual Reunion at Denver, second Tuesday in January.

DETROIT ASSOCIATION, FOUNDED IN 1895

President, ALFRED RUSSELL, '50.
Secretary, WILLIAM S. SAYRES, '76, 163 West Willis Ave.

ROCKY MOUNTAIN ASSOCIATION, FOUNDED IN 1895

President, CLINTON H. MOORE, '74.
Secretary, ARTHUR G. LOMBARD, '79, Helena, Mont.

"OF THE PLAIN" ASSOCIATION, FOUNDED IN 1898

President, CLARENCE S. SARGENT, '76.
Secretary, CHARLES W. POLLARD, '95, 409 Paxton Block, Omaha, Neb.

MEDICAL SCHOOL ASSOCIATION, FOUNDED IN 1886

President, GRENVILLE P. CONN, M.D., '56.
Secretary, HOWARD N. KINGSFORD, M.D., '98 Hanover, N. H.

Annual Reunion at Concord, N. H., at the time of the meeting of the New Hampshire Medical Society, about June first.

THE DARTMOUTH CLUB OF BOSTON, FOUNDED IN 1890

President, GEORGE W. ESTABROOK, '61.
Secretary, HORACE G. PENDER, '97, 209 Washington St.

Regular meetings and dinners are held each month during the year, excepting January, July, August, and September. They are held alternately at the University Club, 270 Beacon Street, on the evening of the second Friday of the month, and at some down-town hotel, notice of which is given in advance, on the afternoon of the second Saturday of the month. The Annual Meeting is that held in December.

THE DARTMOUTH CLUB OF THE CITY OF NEW YORK, FOUNDED IN 1899

President, CHARLES F. MATHEWSON, '82.
Secretary, H. HAMILTON GIBSON, '97, 153 Fifth Ave.

Regular meetings and dinners are held on the first Friday of March, June, October, and December. The Annual Meeting is that held in December. The place of meeting is at the rooms of the Aldine Association, 111 Fifth Avenue.

PUBLICATIONS

All graduates are hereby earnestly requested to forward their publications to the College Librarian for preservation in the Alumni alcove.

The Annual Catalogue, usually issued in December, will be sent to each Alumnus whose correct address is known.

An Obituary Record is published annually at Commencement and will be sent to each Alumnus with the Annual Catalogue in December.

A new General Catalogue, much enlarged, with historic notes and views of buildings, old and new, was issued in December, 1900. This General Catalogue will be sent to any address on the receipt of $1.00 for paper cover, or for $1.50 bound in cloth.

In response to numerous requests that the proceedings of the Webster Centennial be published, a volume will be issued by the College (now in press) describing the exercises in detail and giving the addresses and speeches, together with notes of reminiscences. The price will be $1.50 for cloth, and $1.00 for paper cover. The orders for either the General Catalogue or the Webster Volume may be sent to Professor C. F. Emerson, Dean, Hanover, N. H.